






SARS-CoV-2 Proteins and Their Target Proteins

 **USA:** 1-631-559-9269 1-516-512-3133

 **Fax:** 1-631-938-8127

 **Address:** 45-1 Ramsey Road, Shirley, NY 11967, USA

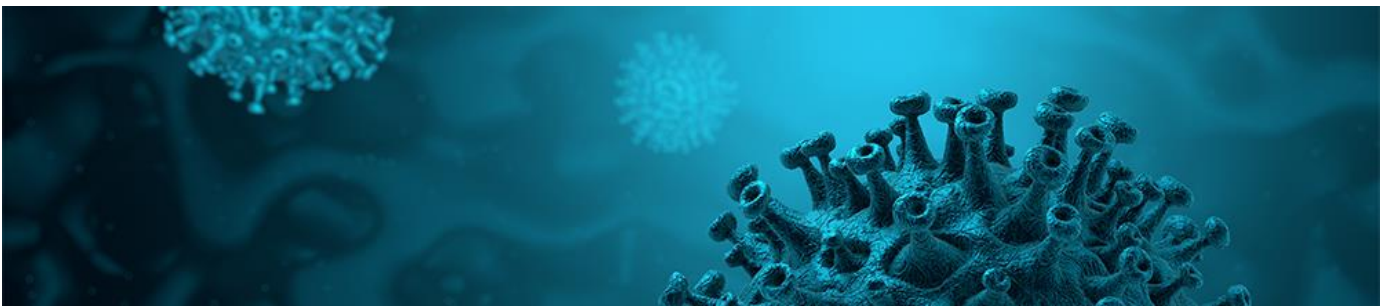
 **Europe:** 44-207-097-1828

 **Email:** info@creative-biomart.com

SARS-CoV-2 Proteins and Their Target Proteins

The COVID-19 outbreak has caused large numbers of death, as well as social and economic chaos worldwide. SARS-CoV-2 virus is the causative agent of this respiratory disease.

The scientific community has known that SARS-CoV-2 binds to host cell receptors through its surface spike (S) proteins and is endocytosed into cells through clathrin-mediated membrane fusion. The relationship and affinity between the host cell receptor and the virus surface protein determine the infectivity and cytophilic characteristics of the virus. The pathogenicity and invading of the virus are related to the type and function of the host cell. Crystal structure analysis confirmed that angiotensin-converting enzyme 2 (ACE2) is the receptor for SARS-CoV-2 S protein, and the affinity of the two is 10-20 times that of SARS-CoV and ACE2, which is the reason of SARS-CoV-2 super infectivity.



So far, no clinically available antiviral drugs have been developed for SARS-CoV, SARS-CoV-2, or MERS-CoV. Some studies used affinity purification-mass spectrometry analysis that have identified hundreds of protein interactions between SARS-CoV-2 proteins and human proteins, including DNA replication (Nsp1), epigenetic and gene expression regulators (Nsp5, Nsp8, Nsp13, E), vesicle trafficking (Nsp6, Nsp7, Nsp10, Nsp13, Nsp15, Orf3a, E, Orf8), lipid modification (Spike), RNA processing and regulation (Nsp8, N), ubiquitin ligases (Orf10), signaling (Nsp8, Nsp13, N, Orf9b), nuclear transport machinery (Nsp9, Nsp15, Orf6), cytoskeleton (Nsp1, Nsp13), mitochondria (Nsp4, Nsp8, Orf9c), and extracellular matrix (Nsp9). Results from data analysis suggested that the viral proteins connect to a wide array of biological processes, including protein trafficking, translation, transcription, and ubiquitination regulation.

A total of 332 high confidence SARS-CoV-2-human protein-protein interactions (PPIs) have been identified. Among these, using a combination of a systematic chemoinformatic drug search with a pathway centric analysis, researchers have uncovered 66 druggable human proteins or host factors targeted by close to 70 different drugs and compounds, including FDA approved drugs, compounds in clinical trials as well as preclinical compounds. Additionally, this proteomic/chemoinformatic analysis gives these potential therapeutic perturbations a mechanistic context.

Creative BioMart has collected many SARS-CoV-2 related proteins and druggable target proteins, which can help you discover antiviral therapies against SARS-CoV-2 and other deadly coronavirus strains.

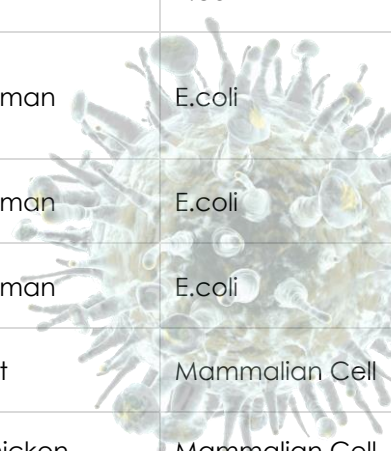
For more protein product information or custom protein expression service, please feel free to contact us.

Featured Interaction Proteins

Cat.No.	Product Name	Identity	Species	Source
ACE2-736H	Recombinant Human ACE2, His-tagged	ACE2-His	Human	HEK293
ACE2-68H	Recombinant Human ACE2, Fc-tagged	ACE2-hFc	Human	HEK293
ACE2-185H	Recombinant Human ACE2, mouse IgG1 Fc-tagged	ACE2-mFc	Human	HEK293
TMPRSS2-1856H	Recombinant Human TMPRSS2 Protein (106-492 aa), His-tagged	TMPRSS2-His	Human	Yeast
TMPRSS2-4899H	Recombinant Human TMPRSS2, his-tagged	TMPRSS2-His	Human	HEK293
ACE2-229H	Recombinant Human ACE2 protein, His/Avi-tagged	ACE2-His/Avi	Human	Mammalian cells

Druggable Targets

Group	Cat.No.	Product Name	Tag	Species	Source
BRD2	BRD2-1872H	Recombinant Human BRD2	N/A	Human	HEK293
	BRD2-27674TH	Recombinant Human BRD2	N/A	Human	Wheat Germ
	BRD2-329H	Recombinant Human BRD2 Protein, GST-tagged	GST	Human	Wheat Germ
	BRD2-35H	Recombinant Human BRD2, His&FLAG-tagged	His Flag	Human	E.coli
	BRD2-653H	Recombinant Human bromodomain containing 2, His-tagged	His	Human	E.coli
	BRD2-90H	Recombinant Human BRD2 protein, GST-tagged	GST	Human	E.coli
	BRD2-91H	Recombinant Human BRD2 protein, His-tagged	His	Human	E.coli
	BRD2-1012R	Recombinant Rat BRD2 Protein	His	Rat	Mammalian Cell
	BRD2-2378C	Recombinant Chicken BRD2	His	Chicken	Mammalian Cell
BRD4	BRD4-158H	Recombinant Human BRD4, GST-tagged	GST	Human	E.coli
	BRD4-1904H	Recombinant Human BRD4, GST-tagged	GST	Human	E.coli



Group	Cat.No.	Product Name	Tag	Species	Source
	BRD4-1918H	Recombinant Human BRD4, His-tagged	His	Human	HEK293
	BRD4-1921H	Recombinant Human BRD4, His-tagged	His	Human	E.coli
	BRD4-36H	Recombinant Human BRD4, His&FLAG-tagged	His Flag	Human	E.coli
	BRD4-5928H	Recombinant Human BRD4 protein, His-tagged	His	Human	Insect Cell
	BRD4-902H	Recombinant Human BRD4	His	Human	Mammalian Cell
	BRD4-3229C	Recombinant Chicken BRD4	His	Chicken	Mammalian Cell
	BRD4-6275Z	Recombinant Zebrafish BRD4	His	Zebrafish	Mammalian Cell
CSNK2A2	CSNK2A2-169H	Recombinant Human CSNK2A2	N/A	Human	E.coli
	CSNK2A2-2009H	Recombinant Human CSNK2A2 Protein, GST-His-tagged	GST His	Human	Insect Cell
	CSNK2A2-2010H	Recombinant Human CSNK2A2 Protein, GST-tagged	GST	Human	Wheat Germ
	CSNK2A2-27169TH	Recombinant Human CSNK2A2, MBP-tagged	MBP	Human	E.coli
	CSNK2A2-28000TH	Recombinant Human CSNK2A2	N/A	Human	Sf9 Insect Cell
	CSNK2A2-3359H	Recombinant Human CSNK2A2 Protein, MYC/DDK-tagged	Myc DDK	Human	HEK293
	CSNK2A2-468H	Recombinant Human CSNK2A2, Gly & Pro tagged	Fc	Human	Insect Cell
	CSNK2A2-682H	Recombinant Human CSNK2A2, GST-tagged	GST	Human	Insect Cell
	CSNK2A2-742H	Recombinant Human CSNK2A2, GST-His	GST	Human	Sf9 Insect Cell
	CSNK2A2-969H	Recombinant Human CSNK2A2, His & GST tagged	His GST	Human	Insect Cell
	CSNK2A2-3980M	Recombinant Mouse CSNK2A2 Protein	His	Mouse	Mammalian Cell
	CSNK2A2-1985C	Recombinant Chicken CSNK2A2	His	Chicken	Mammalian Cell
HDAC2	HDAC2-1355H	Recombinant Human HDAC2 (Active), GST-tagged	GST	Human	Sf9 Insect Cell
	HDAC2-13706H	Recombinant Human HDAC2, GST-tagged	GST	Human	E.coli

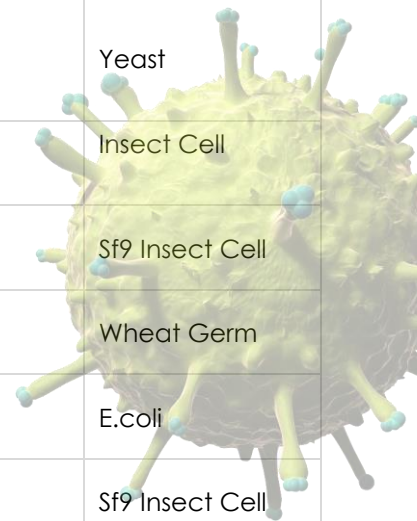
Group	Cat.No.	Product Name	Tag	Species	Source
	HDAC2-1590H	Recombinant Human Histone Deacetylase 2, GST-tagged	GST	Human	Sf9 Insect Cell
	HDAC2-1699H	Recombinant Human Histone Deacetylase 2, His-tagged	His	Human	Human
	HDAC2-28263TH	Recombinant Human HDAC2, His-tagged	His	Human	Insect Cell
	HDAC2-28264TH	Recombinant Human HDAC2	N/A	Human	Insect Cell
	HDAC2-3565H	Recombinant Human HDAC2, His-tagged	His	Human	Hi-5 Insect Cell
	HDAC2-393H	Recombinant Human HDAC2 protein, His-tagged	His	Human	Insect Cell
	HDAC2-4642H	Recombinant Human HDAC2 Protein, His-tagged	His	Human	Insect Cell
	HDAC2-93H	Recombinant Human HDAC2 Protein, GST-tagged	GST	Human	Insect Cell
	HDAC2-7529M	Recombinant Mouse HDAC2 Protein	His	Mouse	Mammalian Cell
	HDAC2-6394C	Recombinant Chicken HDAC2	His	Chicken	Mammalian Cell
ATP6AP1	ATP6AP1-992H	Recombinant Human ATP6AP1 protein, GST-tagged	GST	Human	Wheat Germ
	ATP6AP1-883R	Recombinant Rat ATP6AP1 Protein	His	Rat	Mammalian Cell
	ATP6AP1-4576C	Recombinant Chicken ATP6AP1	His	Chicken	Mammalian Cell
SIGMAR1	SIGMAR1-12H	Recombinant Human SIGMAR1 protein, MYC/DDK-tagged	Myc DDK	Human	HEK293
	SIGMAR1-13H	Recombinant Human SIGMAR1 protein, GST-tagged	GST	Human	Wheat Germ
	SIGMAR1-15133M	Recombinant Mouse SIGMAR1 Protein	His	Mouse	Mammalian Cell
	SIGMAR1-5401R	Recombinant Rat SIGMAR1 Protein	His	Rat	Mammalian Cell
	SIGMAR1-4203R	Recombinant Rhesus monkey SIGMAR1 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
	SIGMAR1-4646C	Recombinant Chicken SIGMAR1	His	Chicken	Mammalian Cell
	SIGMAR1-11212Z	Recombinant Zebrafish SIGMAR1	His	Zebrafish	Mammalian Cell
TMEM97	TMEM97-17097M	Recombinant Mouse TMEM97 Protein	His	Mouse	Mammalian Cell

Group	Cat.No.	Product Name	Tag	Species	Source
	TMEM97-6180R	Recombinant Rat TMEM97 Protein	His	Rat	Mammalian Cell
	TMEM97-1034C	Recombinant Cynomolgus TMEM97 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
	TMEM97-4847R	Recombinant Rhesus monkey TMEM97 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
COMT	COMT-541H	Recombinant Human COMT Protein (Met1-Pro271), His-tagged	His	Human	Insect Cell
	COMT-543H	Recombinant Human COMT Protein (Met51-Pro271)	N/A	Human	E.coli
	COMT-1253H	Recombinant Human Catechol-O-Methyltransferase	N/A	Human	Human
	COMT-126H	Recombinant Human Catechol-O-methyltransferase, His-tagged	His	Human	E.coli
	COMT-1688H	Recombinant Human COMT Protein, GST-tagged	GST	Human	Wheat Germ
	COMT-1707H	Recombinant Human COMT Protein, His-tagged	His	Human	E.coli
	COMT-26252TH	Recombinant Human COMT, His-tagged	His	Human	E.coli
	COMT-27960TH	Recombinant Human COMT	N/A	Human	E.coli
	Comt-1670M	Recombinant Mouse Comt protein, His-tagged	His	Mouse	E.coli
	COMT-3771M	Recombinant Mouse COMT Protein	His	Mouse	Mammalian Cell
	Comt-1671R	Recombinant Rat Comt protein, His-tagged	His	Rat	E.coli
	COMT-968R	Recombinant Rhesus monkey COMT Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
PTGES2	PTGES2-2045H	Recombinant Human PTGES2, GST-tagged	GST	Human	E.coli
	PTGES2-30326TH	Recombinant Human PTGES2, His-tagged	His	Human	E.coli
	PTGES2-5623H	Recombinant Human PTGES2 protein, His & T7-tagged	His T7	Human	E.coli
	PTGES2-993H	Recombinant Human Prostaglandin E Synthase 2, His-tagged	His	Human	E.coli
	PTGES2-13641M	Recombinant Mouse PTGES2 Protein	His	Mouse	Mammalian Cell

Group	Cat.No.	Product Name	Tag	Species	Source
	Ptges2-5624M	Recombinant Mouse Ptges2 protein, His-tagged	His	Mouse	E.coli
	PTGES2-828C	Recombinant Cynomolgus PTGES2 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
NDUFS1	NDUFS1-1716H	Recombinant Human NDUFS1 protein, His & T7-tagged	His T7	Human	E.coli
	NDUFS1-272H	Recombinant Human NDUFS1	His	Human	Mammalian Cell
	NDUFS1-10541M	Recombinant Mouse NDUFS1 Protein	His	Mouse	Mammalian Cell
	NDUFS1-3942R	Recombinant Rat NDUFS1 Protein	His	Rat	Mammalian Cell
	NDUFS1-738C	Recombinant Cynomolgus NDUFS1 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
	NDUFS1-1656C	Recombinant Chicken NDUFS1	His	Chicken	Mammalian Cell
	NDUFS1-1841Z	Recombinant Zebrafish NDUFS1	His	Zebrafish	Mammalian Cell
NDUFS2	NDUFS2-2463H	Recombinant human NDUFS2, His-tagged	His	Human	E.coli
	NDUFS2-30372TH	Recombinant Human NDUFS2	N/A	Human	Wheat Germ
	NDUFS2-10542M	Recombinant Mouse NDUFS2 Protein	His	Mouse	Mammalian Cell
	NDUFS2-3943R	Recombinant Rat NDUFS2 Protein	His	Rat	Mammalian Cell
	NDUFS2-2988R	Recombinant Rhesus monkey NDUFS2 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
	NDUFS2-2818Z	Recombinant Zebrafish NDUFS2	His	Zebrafish	Mammalian Cell
NDUFS3	NDUFS3-1239H	Recombinant Human NDUFS3, GST-tagged	GST	Human	E.coli
	NDUFS3-29480TH	Recombinant Human NDUFS3, T7 -tagged	T7	Human	E.coli
	NDUFS3-346H	Recombinant Human NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase), His-tagged	His	Human	E.coli
	NDUFS3-833H	Recombinant Human NDUFS3, T7-tagged	T7	Human	E.coli
	NDUFS3-10543M	Recombinant Mouse NDUFS3 Protein	His	Mouse	Mammalian Cell

Group	Cat.No.	Product Name	Tag	Species	Source
	NDUFS3-2989R	Recombinant Rhesus monkey NDUFS3 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
	NDUFS3-3938C	Recombinant Chicken NDUFS3	His	Chicken	Mammalian Cell
	NDUFS3-2504Z	Recombinant Zebrafish NDUFS3	His	Zebrafish	Mammalian Cell
NDUFS4	NDUFS4-1240H	Recombinant Human NDUFS4, His-tagged	His	Human	E.coli
	NDUFS4-2509H	Recombinant Human NADH Dehydrogenase (ubiquinone) Fe-S Protein 4, 18kDa (NADH-coenzyme Q reductase)	N/A	Human	E.coli
	NDUFS4-28208TH	Recombinant Human NDUFS4	N/A	Human	E.coli
	NDUFS4-29482TH	Recombinant Human NDUFS4	N/A	Human	E.coli
	NDUFS4-367H	Recombinant Human NDUFS4	N/A	Human	E.coli
	NDUFS4-3944R	Recombinant Rat NDUFS4 Protein	His	Rat	Mammalian Cell
	NDUFS4-2842Z	Recombinant Zebrafish NDUFS4	His	Zebrafish	Mammalian Cell
NDUFS5	NDUFS5-1241H	Recombinant Human NDUFS5, His-tagged	His	Human	E.coli
	NDUFS5-459H	Recombinant Human NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase), His-tagged	His	Human	E.coli
	NDUFS5-5060H	Recombinant Human NDUFS5, His-tagged	His	Human	E.coli
	NDUFS5-10545M	Recombinant Mouse NDUFS5 Protein	His	Mouse	Mammalian Cell
	NDUFS5-739C	Recombinant Cynomolgus NDUFS5 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
	NDUFS5-2808Z	Recombinant Zebrafish NDUFS5	His	Zebrafish	Mammalian Cell
NDUFS6	NDUFS6-1242H	Recombinant Human NDUFS6, GST-tagged	GST	Human	E.coli
	NDUFS6-252H	Recombinant Human NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-	His	Human	E.coli

Group	Cat.No.	Product Name	Tag	Species	Source
		coenzyme Q reductase), His-tagged			
	NDUFS6-10546M	Recombinant Mouse NDUFS6 Protein	His	Mouse	Mammalian Cell
	NDUFS6-3945R	Recombinant Rat NDUFS6 Protein	His	Rat	Mammalian Cell
	NDUFS6-740C	Recombinant Cynomolgus NDUFS6 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
	NDUFS6-2990R	Recombinant Rhesus monkey NDUFS6 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
	NDUFS6-1365Z	Recombinant Zebrafish NDUFS6	His	Zebrafish	Mammalian Cell
NDUFS7	NDUFS7-562H	Recombinant Human NDUFS7	His	Human	Mammalian Cell
	NDUFS7-10547M	Recombinant Mouse NDUFS7 Protein	His	Mouse	Mammalian Cell
	NDUFS7-7890Z	Recombinant Zebrafish NDUFS7	His	Zebrafish	Mammalian Cell
NDUFS8	NDUFS8-2991R	Recombinant Rhesus monkey NDUFS8 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
RIPK1	RIPK1-2252M	Recombinant Mouse RIPK1 Protein (1-656 aa), His-SUMOSTAR-tagged	His SUMOstar	Mouse	Yeast
	RIPK1-202H	Recombinant Human RIPK1 protein, GST-tagged, Active	GST	Human	Insect Cell
	RIPK1-36H	Recombinant Human RIPK1, GST-tagged	GST	Human	Sf9 Insect Cell
	RIPK1-42H	Recombinant Human RIPK1 protein, GST-tagged	GST	Human	Wheat Germ
	RIPK1-43H	Recombinant Human RIPK1 protein, His-tagged	His	Human	E.coli
	RIPK1-7018H	Recombinant Human RIPK1, GST-tagged	GST	Human	Sf9 Insect Cell
	RIPK1-14243M	Recombinant Mouse Ripk1 protein, His-tagged	His	Mouse	HEK293
	Ripk1-1264R	Recombinant Rat Ripk1 protein, His-tagged	His	Rat	E.coli
	RIPK1-5972C	Recombinant Chicken RIPK1	His	Chicken	Mammalian Cell
PRKACA	PRKACA-2952H	Recombinant Human PRKACA Protein, MYC/DDK-tagged	Myc DDK	Human	HEK293

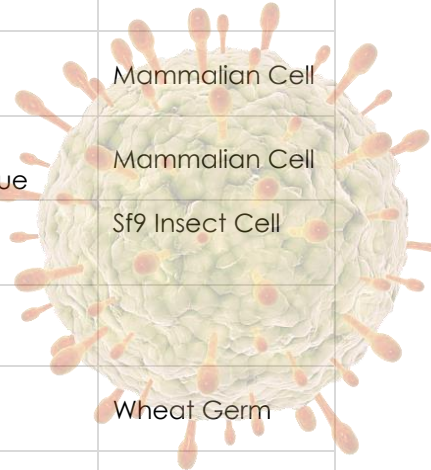


Group	Cat.No.	Product Name	Tag	Species	Source
	PRKACA-31113TH	Recombinant Human PRKACA	N/A	Human	E.coli
	PRKACA-394H	Recombinant Human PRKACA, GST-tagged, Active	GST	Human	Sf9 Insect Cell
	PRKACA-547H	Recombinant Human PRKACA	His	Human	Mammalian Cell
	PRKACA-552H	Recombinant Human PRKACA, GST-tagged	GST	Human	Sf9 Insect Cell
	PRKACA-55643H	Recombinant Human PRKACA, GST-tagged	GST	Human	E.coli
	PRKACA-13352M	Recombinant Mouse PRKACA Protein	His	Mouse	Mammalian Cell
	Prkaca-608M	Recombinant Mouse Prkaca	N/A	Mouse	E.coli
IMPDH2	IMPDH2-1274H	Recombinant Human IMPD (Inosine 5'-Monophosphate) Dehydrogenase 2, His-tagged	His	Human	Human
	IMPDH2-1276H	Recombinant Human IMPDH2, MYC/DDK-tagged	Myc DDK	Human	HEK293
	IMPDH2-28270TH	Recombinant Human IMPDH2, His-tagged	His	Human	E.coli
	IMPDH2-299H	Recombinant Human IMPDH2 Protein, His-tagged	His	Human	E.coli
	IMPDH2-5138H	Recombinant Human IMPDH2 Protein, GST-tagged	GST	Human	Wheat Germ
	IMPDH2-83H	Recombinant Human IMPDH2	N/A	Human	E.coli
	IMPDH2-8199M	Recombinant Mouse IMPDH2 Protein	His	Mouse	Mammalian Cell
	IMPDH2-2314C	Recombinant Chicken IMPDH2	His	Chicken	Mammalian Cell
	IMPDH2-11510Z	Recombinant Zebrafish IMPDH2	His	Zebrafish	Mammalian Cell
GLA	GLA-173H	Recombinant Human GLA Protein, His-tagged	His	Human	E.coli
	GLA-174H	Recombinant Human GLA Protein, His-tagged	His	Human	E.coli
	GLA-175H	Recombinant Human GLA Protein, His-tagged	His	Human	E.coli
	GLA-28966TH	Recombinant Human GLA	N/A	Human	Wheat Germ
	GLA-380H	Recombinant Human GLA Protein, His-tagged	His	Human	Insect Cell

Group	Cat.No.	Product Name	Tag	Species	Source
	GLA-45H	Recombinant Human GLA protein, His-tagged	His	Human	CHO
	GLA-4944H	Recombinant Human GLA Protein, GST-tagged	GST	Human	Wheat Germ
	GLA-902H	Recombinant Human GLA, His tagged	His	Human	Human Cell
	Gla-176H	Recombinant Mouse Gla Protein, His-tagged	His	Mouse	E.coli
	Gla-7408M	Recombinant Mouse Gla, His tagged	His	Mouse	Human Cell
	GLA-1609Z	Recombinant Zebrafish GLA	His	Zebrafish	Mammalian Cell
DNMT1	DNMT1-330H	Recombinant Human DNMT1 Protein, His-Flag-tagged	His Flag	Human	Insect Cells
	DNMT1-1645H	Recombinant Human DNMT1 protein, His & T7-tagged	His T7	Human	E.coli
	DNMT1-198H	Recombinant Human DNMT1 protein, MYC/DDK-tagged	Myc DDK	Human	HEK293
	DNMT1-199H	Recombinant Human DNMT1 protein, GST-tagged	GST	Human	Wheat Germ
	DNMT1-388H	Recombinant Human DNMT1, His-tagged	His	Human	Insect Cell
	DNMT1-511H	Recombinant Human DNMT1, GST-tagged	GST	Human	Insect Cell
	DNMT1-72H	Recombinant Human DNMT1 protein, GST-tagged	GST	Human	Insect Cell
	Dnmt1-139M	Recombinant Mouse Dnmt1	N/A	Mouse	Insect Cell
	DNMT1-6950M	Recombinant Mouse DNMT1, GST-tagged	GST	Mouse	Sf9 Insect Cell
	DNMT1-7096C	Recombinant Chicken DNMT1	His	Chicken	Mammalian Cell
	DNMT1-8794Z	Recombinant Zebrafish DNMT1	His	Zebrafish	Mammalian Cell
LOX	LOX-628R	Recombinant Rat LOX Protein (163-411 aa), His-tagged	His	Rat	E.coli
	LOX-157H	Recombinant Human LOX protein, T7/His-tagged	T7 His	Human	E.coli
	LOX-189H	Recombinant Human LOX protein, GST-tagged	GST	Human	Insect Cell
	LOX-4734H	Recombinant Human LOX Protein, GST-tagged	GST	Human	Wheat Germ

Group	Cat.No.	Product Name	Tag	Species	Source
	LOX-608H	Recombinant Human lysyl oxidase, His-tagged	His	Human	E.coli
	LOX-731H	Recombinant Human LOX Protein, DDK/His-tagged	DDK His	Human	HEK293
	LOX-7911H	Recombinant Human LOX protein, His & GST-tagged	His GST	Human	E.coli
	LOX-89H	Recombinant Human LOX, His-tagged	His	Human	HEK293
	LOX-90H	Recombinant Human LOX, GST-tagged	GST	Human	E.coli
	Lox-7912M	Recombinant Mouse Lox protein, His & GST-tagged	His GST	Mouse	E.coli
	LOX-9184M	Recombinant Mouse LOX Protein	His	Mouse	Mammalian Cell
	LOX-3432R	Recombinant Rat LOX Protein	His	Rat	Mammalian Cell
	LOX-7030C	Recombinant Chicken LOX	His	Chicken	Mammalian Cell
	LOX-11818Z	Recombinant Zebrafish LOX	His	Zebrafish	Mammalian Cell
MARK2	MARK2-1057H	Recombinant Human MAP/Microtubule Affinity-Regulating Kinase 2, GST-tagged	GST	Human	Sf9 Insect Cell
	MARK2-781H	Recombinant Human MARK2 Protein, His-tagged	His	Human	E.coli
	MARK2-9568M	Recombinant Mouse MARK2 Protein	His	Mouse	Mammalian Cell
	MARK2-3589R	Recombinant Rat MARK2 Protein	His	Rat	Mammalian Cell
MARK3	MARK3-26831TH	Recombinant Human MARK3	N/A	Human	
	MARK3-349H	Recombinant Human MARK3, GST-tagged, Active	GST	Human	Sf9 Insect Cell
	MARK3-5450H	Recombinant Human MAP/Microtubule Affinity-Regulating Kinase 3, GST-His-tagged	GST His	Human	Sf9 Insect Cell
	MARK3-548H	Recombinant Human MARK3 Protein, MYC/DDK-tagged	Myc DDK	Human	HEK293
	MARK3-733H	Recombinant Human MARK3 Protein, His-tagged	His	Human	E.coli

Group	Cat.No.	Product Name	Tag	Species	Source
	MARK3-979H	Recombinant Human MARK3, His & GST tagged	His GST	Human	Insect Cell
	MARK3-9569M	Recombinant Mouse MARK3 Protein	His	Mouse	Mammalian Cell
	MARK3-3590R	Recombinant Rat MARK3 Protein	His	Rat	Mammalian Cell
	MARK3-10257Z	Recombinant Zebrafish MARK3	His	Zebrafish	Mammalian Cell
DCTPP1	DCTPP1-11870H	Recombinant Human DCTPP1, GST-tagged	GST	Human	E.coli
	DCTPP1-1381H	Recombinant Human DCTP Pyrophosphatase 1, His-tagged	His	Human	E.coli
	DCTPP1-445H	Recombinant Human DCTPP1, His tagged	N/A	Human	E.coli
	DCTPP1-4370M	Recombinant Mouse DCTPP1 Protein	His	Mouse	Mammalian Cell
	DCTPP1-1803R	Recombinant Rat DCTPP1 Protein	His	Rat	Mammalian Cell
	DCTPP1-1198R	Recombinant Rhesus monkey DCTPP1 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
TBK1	TBK1-1493H	Recombinant Human TBK1 (Active), GST-tagged	GST	Human	Sf9 Insect Cell
	TBK1-27920TH	Recombinant Human TBK1	N/A	Human	Wheat Germ
	TBK1-334H	Recombinant Human TBK1 protein, GST-tagged	GST	Human	Wheat Germ
	TBK1-335H	Recombinant Human TBK1 protein, GST-tagged	GST	Human	Wheat Germ
	TBK1-336H	Recombinant Human TBK1 protein, GST-tagged	GST	Human	E.coli
	TBK1-337H	Recombinant Human TBK1 protein, His-tagged	His	Human	E.coli
	TBK1-443H	Recombinant Human TANK-binding Kinase 1, GST-tagged, Active	GST	Human	Sf9 Insect Cell
	TBK1-657H	Recombinant Human TBK1 Protein, His-tagged	His	Human	E.coli
	TBK1-732H	Recombinant Human TANK-binding Kinase 1	N/A	Human	Sf9 Insect Cell
	TBK1-4642R	Recombinant Rhesus monkey TBK1 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell



Group	Cat.No.	Product Name	Tag	Species	Source
	TBK1-4388C	Recombinant Chicken TBK1	His	Chicken	Mammalian Cell
	TBK1-3904Z	Recombinant Zebrafish TBK1	His	Zebrafish	Mammalian Cell
F2RL1	F2RL1-3614H	Recombinant Human F2RL1 Protein	N/A	Human	Wheat Germ
	F2RL1-3615H	Recombinant Human F2RL1 Protein, GST-tagged	GST	Human	Wheat Germ
	F2RL1-5410M	Recombinant Mouse F2RL1 Protein	His	Mouse	Mammalian Cell
	F2RL1-2177R	Recombinant Rat F2RL1 Protein	His	Rat	Mammalian Cell
	F2RL1-1978C	Recombinant Chicken F2RL1	His	Chicken	Mammalian Cell
ABCC1	ABCC1-2325H	Recombinant Human ABCC1 Protein (1248-1531 aa), His-tagged	His	Human	E.coli
	ABCC1-042H	Recombinant Human ABCC1 Protein, GST-Tagged	GST	Human	Wheat Germ
	ABCC1-285H	Recombinant Human ABCC1	His	Human	Mammalian Cell
	Abcc1-1458M	Recombinant Mouse Abcc1 protein, His & T7-tagged	His T7	Mouse	E.coli
	ABCC1-402R	Recombinant Rat ABCC1 Protein	His	Rat	Mammalian Cell
	ABCC1-260C	Recombinant Cynomolgus ABCC1 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
	ABCC1-1897C	Recombinant Chicken ABCC1	His	Chicken	Mammalian Cell
LARP1	LARP1-18H	Recombinant Human LARP1, GST-tagged	GST	Human	E.coli
	LARP1-19H	Recombinant Human LARP1, GST-tagged	GST	Human	Wheat Germ
	LARP1-29045TH	Recombinant Human LARP1, His-tagged	His	Human	E.coli
FKBP15	FKBP15-2228H	Recombinant Human FKBP15 Protein, MYC/DDK-tagged	Myc DDK	Human	HEK293
	FKBP15-5903M	Recombinant Mouse FKBP15 Protein	His	Mouse	Mammalian Cell
FKBP10	FKBP10-1289H	Recombinant Human FKBP10 protein, His-tagged	His	Human	E.coli
	FKBP10-12906H	Recombinant Human FKBP10, GST-tagged	GST	Human	E.coli

Group	Cat.No.	Product Name	Tag	Species	Source
	FKBP10-4182H	Recombinant Human FKBP10 Protein, GST-tagged	GST	Human	Wheat Germ
	Fkbp10-1290M	Recombinant Mouse Fkbp10 protein, His-tagged	His	Mouse	E.coli
	FKBP10-1716R	Recombinant Rhesus monkey FKBP10 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
FKBP7	FKBP7-1285H	Recombinant Human FKBP7 protein, His & T7-tagged	His T7	Human	E.coli
	FKBP7-12916H	Recombinant Human FKBP7, GST-tagged	GST	Human	E.coli
	FKBP7-173H	Recombinant Human FKBP7, His-tagged	His	Human	HEK293
	FKBP7-2349H	Recombinant Human FKBP7 Protein, MYC/DDK-tagged	Myc DDK	Human	HEK293
	FKBP7-4196H	Recombinant Human FKBP7 Protein, GST-tagged	GST	Human	Wheat Germ
	FKBP7-441H	Recombinant Human FKBP7 protein, His-tagged	His	Human	HEK293F
	FKBP7-523H	Recombinant Human FKBP7 Protein, Fc-tagged	Fc	Human	HEK293
	FKBP7-8565H	Recombinant Human FKBP7, Fc-tagged	N/A	Human	Human Cell
	FKBP7-8566H	Recombinant Human FKBP7, His tagged	His	Human	Human Cell
	Fkbp7-1286M	Recombinant Mouse Fkbp7 protein, His-tagged	His	Mouse	E.coli
	FKBP7-5911M	Recombinant Mouse FKBP7 Protein	His	Mouse	Mammalian Cell
FKBP7-1247Z	Recombinant Zebrafish FKBP7	His	Zebrafish	Mammalian Cell	
EIF4E2	EIF4E2-12379H	Recombinant Human EIF4E2, GST-tagged	GST	Human	E.coli
	EIF4E2-154H	Recombinant Human EIF4E2 protein, T7-tagged	T7	Human	E.coli
	EIF4E2-28495TH	Recombinant Human EIF4E2, T7 -tagged	T7	Human	E.coli
	EIF4E2-3200H	Recombinant Human EIF4E2 Protein, GST-tagged	GST	Human	Wheat Germ
	EIF4E2-1429R	Recombinant Rhesus monkey EIF4E2 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
	EIF4E2-2285Z	Recombinant Zebrafish EIF4E2	His	Zebrafish	Mammalian Cell

Group	Cat.No.	Product Name	Tag	Species	Source
RAE1	RAE1-2160H	Recombinant Human RAE1, His-tagged	His	Human	E.coli
	RAE1-29369TH	Recombinant Human RAE1, His-tagged	His	Human	E.coli
	RAE1-4912R	Recombinant Rat RAE1 Protein	His	Rat	Mammalian Cell
	RAE1-841C	Recombinant Cynomolgus RAE1 Protein, His-tagged	His	Cynomolgus Monkey	Mammalian Cell
	RAE1-2560C	Recombinant Chicken RAE1	His	Chicken	Mammalian Cell
	RAE1-11231Z	Recombinant Zebrafish RAE1	His	Zebrafish	Mammalian Cell
NEK9	NEK9-1064	Recombinant Human NEK9 protein, GST-tagged	GST	Human	Insect Cell
	NEK9-1064H	Recombinant Human NEK9, GST-tagged	GST	Human	Sf9 Insect Cell
	NEK9-1259H	Recombinant Human NEK9, GST-tagged	GST	Human	E.coli
	NEK9-66H	Recombinant Human NEK9 protein, Flag-tagged, Biotinylated	Flag	Human	Insect Cell
	NEK9-3000R	Recombinant Rhesus monkey NEK9 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
CEP250	CEP250-1132H	Recombinant Human CEP250 Protein, GST-Tagged	GST	Human	Wheat Germ
CUL2	CUL2-133H	Recombinant Human CUL2/RBX1 protein	N/A	Human	Insect Cell
	CUL2-2131H	Recombinant Human CUL2 Protein, GST-tagged	GST	Human	Wheat Germ
	CUL2-4076M	Recombinant Mouse CUL2 Protein	His	Mouse	Mammalian Cell
	CUL2-1096R	Recombinant Rhesus monkey CUL2 Protein, His-tagged	His	Rhesus Macaque	Mammalian Cell
	CUL2-2657C	Recombinant Chicken CUL2	His	Chicken	Mammalian Cell

Coronavirus Proteins

Cat.No.	Product name	Identity	Species	Source
Spike-19V	Recombinant COVID-19 (2019 novel coronavirus) Spike protein S1 subunit receptor binding domain (RBD), Mouse IgG1 Fc-tagged	S1(RBD)-mFc	SARS-CoV-2	HEK293
Spike-190V	Recombinant COVID-19 Spike protein receptor binding domain (RBD), His-tagged	S1(RBD)-His	SARS-CoV-2	HEK293
Spike-191V	Recombinant COVID-19 (2019 novel coronavirus) Spike protein S1 subunit, His-tagged	S1-His	SARS-CoV-2	HEK293
Spike-192V	2019-nCoV Recombinant COVID-19 Spike protein S1 subunit, Human IgG1 Fc-tagged	S1-hFc	SARS-CoV-2	HEK293
Spike-193V	Recombinant COVID-19 (2019 novel coronavirus) Spike protein S1 subunit, Mouse IgG1 Fc-tagged	S1-mFc	SARS-CoV-2	HEK293
Spike-194V	Recombinant COVID-19 (2019 novel coronavirus) Spike protein (S1+S2 ECD), His-tagged	S1+S2(ECD)-His	SARS-CoV-2	Baculovirus-Insect Cells
Spike-195V	2019-nCoV Recombinant COVID-19 Spike protein S1 subunit, His-tagged	S1-His	SARS-CoV-2	Baculovirus-Insect Cells
Spike-197V	Recombinant COVID-19 Spike protein (S2 ECD), His-tagged	S2(ECD)-His	SARS-CoV-2	Baculovirus-Insect Cells
Spike-208V	Recombinant COVID-19 Spike trimer protein (R683A, R685A), his-tagged, active	S1+S2(ECD)-His	SARS-CoV-2	HEK293
N-127V	Recombinant COVID-19 (2019 novel coronavirus) N protein	N-His	SARS-CoV-2	E.coli
N-196V	Recombinant COVID-19 Nucleocapsid protein, His-tagged	N-His	SARS-CoV-2	Baculovirus-Insect Cells
nCoVNP-126V	Recombinant COVID-19 NP protein, His-tagged	N-His	SARS-CoV-2	HEK293
Plpro-198V	Recombinant COVID-19 Plpro protein, His-tagged	Plpro-His	SARS-CoV-2	E.coli
3CL-Mpro-134V	Recombinant COVID-19 3CL-Mpro protein, His-tagged	3CL-Mpro-His	SARS-CoV-2	E.coli
Spike-193V	Recombinant COVID-19 (2019 novel coronavirus) Spike protein S1 subunit, Mouse IgG1 Fc-tagged	S1-mFc	SARS-CoV-2	Human Cells
Spike-199V	Recombinant 2019-nCoV (2019 novel coronavirus) Spike protein RBD, His/Avi-tagged	S1(RBD)-His/Avi	2019-nCoV	Mammalian cells
Spike-200V	Recombinant 2019-nCoV (2019 novel coronavirus) Spike protein S1, His/Avi-tagged	S1-His/Avi	2019-nCoV	Mammalian cells
Spike-201V	Recombinant SARS-CoV-2 Spike Glycoprotein (S1) protein, Fc-tagged	S1-Fc	SARS-CoV-2	HEK293

Cat.No.	Product name	Identity	Species	Source
Spike-202V	Recombinant SARS-CoV-2 Spike Glycoprotein (S2) protein, Fc-tagged	S2-Fc	SARS-CoV-2	HEK293
Spike-203V	Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S1) protein	S1	SARS-CoV	E.coli
Spike-204V	Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S2) protein	S2	SARS-CoV	E.coli
Spike-205V	Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S2, S2') protein	S2,S2'	SARS-CoV	E.coli
Spike-206V	Recombinant MERS Coronavirus Spike 1 protein (S1), Fc-tagged	S1-Fc	MERS-CoV	HEK293
Spike-207V	Recombinant MERS Coronavirus Spike 1 protein (S1), His-tagged	S1-His	MERS-CoV	E.coli
N-129V	Recombinant SARS-CoV-2 Nucleocapsid phosphoprotein, His-tagged	N-His	SARS-CoV-2	E.coli
N-130V	Recombinant SARS Coronavirus Nucleoprotein, His-tagged	N-His	SARS-CoV	HEK293
N-131V	Recombinant SARS Coronavirus Nucleoprotein, His-tagged	N-His	SARS-CoV	E.coli
N-132V	Recombinant SARS Coronavirus Nucleoprotein (C-Term) or the nucleocapsid core antigen	N	SARS-CoV	E.coli
N-133V	Recombinant SARS Coronavirus Nucleoprotein (N-Term) or the nucleocapsid core antigen	N	SARS-CoV	E.coli
N-134V	Recombinant SARS Coronavirus Nucleoprotein (N-Term, Mid) or the nucleocapsid core antigen	N	SARS-CoV	E.coli
N-135V	Recombinant Human-CoV(229E) Nucleoprotein, His-tagged	N-His	Human-CoV	E.coli
N-136V	Recombinant Human-CoV(NL63) Nucleoprotein, His-tagged	N-His	Human-CoV	E.coli
N01-128V	Recombinant COVID-19 N protein truncated N01, His-tagged	N01-His	SARS-CoV-2	E.coli
N02-129V	Recombinant COVID-19 N protein truncated N02, His-tagged	N02-His	SARS-CoV-2	E.coli
N03-130V	Recombinant COVID-19 N protein truncated N03, His-tagged	N03-His	SARS-CoV-2	E.coli
N04-131V	Recombinant COVID-19 N protein truncated N04, His-tagged	N04-His	SARS-CoV-2	E.coli
N05-132V	Recombinant COVID-19 N protein truncated N05, His-tagged	N05-His	SARS-CoV-2	E.coli
N06-133V	Recombinant COVID-19 N protein truncated N06, His-tagged	N06-His	SARS-CoV-2	E.coli
Envelope-301V	Recombinant SARS Coronavirus Envelope protein	E	SARS-CoV	E.coli

Cat.No.	Product name	Identity	Species	Source
Matrix-201V	Recombinant SARS Coronavirus Matrix (Membrane) protein	Matrix	SARS-CoV	E.coli
NSP1-001V	Recombinant COVID-19 NSP1 protein, His-tagged	NSP1-His	SARS-CoV-2	HEK293
NSP2-191V	Recombinant COVID-19 NSP2 protein, His-tagged	NSP2-His	SARS-CoV-2	HEK293
NSP3-81V	Recombinant COVID-19 NSP3 protein, His-tagged	NSP3-His	SARS-CoV-2	HEK293
NSP4-82V	Recombinant COVID-19 NSP4 protein, His-tagged	NSP4-His	SARS-CoV-2	HEK293
NSP5-11V	Recombinant COVID-19 NSP5 protein, His-tagged	NSP5-His	SARS-CoV-2	HEK293
NSP6-193V	Recombinant COVID-19 NSP6 protein, His-tagged	NSP6-His	SARS-CoV-2	HEK293
NSP7-194V	Recombinant COVID-19 NSP7 protein, His-tagged	NSP7-His	SARS-CoV-2	HEK293
NSP8-196V	Recombinant COVID-19 NSP8 protein, His-tagged	NSP8-His	SARS-CoV-2	HEK293
NSP9-027V	Recombinant COVID-19 NSP9 protein, His-tagged	NSP9-His	SARS-CoV-2	HEK293
NSP10-151V	Recombinant COVID-19 NSP10 protein, His-tagged	NSP10-His	SARS-CoV-2	HEK293
NSP12-662V	Recombinant COVID-19 NSP12 protein, His-tagged	NSP11-His	SARS-CoV-2	HEK293
NSP13-22V	Recombinant COVID-19 NSP13 protein, His-tagged	NSP12-His	SARS-CoV-2	HEK293
NSP14-286V	Recombinant COVID-19 NSP14 protein, His-tagged	NSP13-His	SARS-CoV-2	HEK293
NSP15-592V	Recombinant COVID-19 NSP15 protein, His-tagged	NSP14-His	SARS-CoV-2	HEK293
NSP16-922V	Recombinant COVID-19 NSP16 protein, His-tagged	NSP15-His	SARS-CoV-2	HEK293
ORF3a-2833V	Recombinant COVID-19 ORF3a protein, His-tagged	ORF3a-His	SARS-CoV-2	HEK293
ORF6-847V	Recombinant COVID-19 ORF6 protein, His-tagged	ORF6-His	SARS-CoV-2	HEK293
ORF7a-92V	Recombinant COVID-19 ORF7a protein, His-tagged	ORF7a-His	SARS-CoV-2	HEK293
ORF8-528V	Recombinant COVID-19 ORF8 protein, His-tagged	ORF8-His	SARS-CoV-2	HEK293
ORF10-81V	Recombinant COVID-19 ORF10 protein, His-tagged	ORF10-His	SARS-CoV-2	HEK293

Cat.No.	Product name	Identity	Species	Source
SARSS-101V	Recombinant SARS-CoV(Beijing 02) S(Δ TM) protein	S(Δ TM)	SARS-CoV	HEK293
SARSS-102V	Recombinant SARS-CoV(Beijing 02) S(1-1190) protein	S(1-1190)	SARS-CoV	HEK293
SARSS-103V	Recombinant SARS-CoV(Beijing 02) S(RBD) protein	S(RBD)	SARS-CoV	HEK293
SARSN-104V	Recombinant SARS-CoV(Beijing 02) N protein	N	SARS-CoV	E.coli
SARSM-105V	Recombinant SARS-CoV(Beijing 02) M protein	M	SARS-CoV	E.coli
MERSS-106V	Recombinant MERS-CoV(EMC 2C/2012) S(Δ TM) protein	S(Δ TM)	MERS-CoV	HEK293
MERSS-107V	Recombinant MERS-CoV(EMC 2C/2012) S(1-1190) protein	S(1-1190)	MERS-CoV	HEK293
MERSS-108V	Recombinant MERS-CoV(EMC 2C/2012) S(RBD) protein	S(RBD)	MERS-CoV	HEK293
MERSN-109V	Recombinant MERS-CoV(EMC 2C/2012) N protein	N	MERS-CoV	E.coli
MERSM-110V	Recombinant MERS-CoV(EMC 2C/2012) M protein	M	MERS-CoV	E.coli
hCoV S-111V	Recombinant Human-CoV(229E) S(Δ TM) protein	S(Δ TM)	Human-CoV	HEK293
hCoV S-112V	Recombinant Human-CoV(229E) S(1-1190) protein	S(1-1190)	Human-CoV	HEK293
hCoV S-113V	Recombinant Human-CoV(229E) S(RBD) protein	S(RBD)	Human-CoV	HEK293
bCoV S1-116V	Recombinant Bat-CoV(HKU4-2) S1 protein	S1	Bat-CoV	HEK293
bSARSIS-118V	Recombinant Bat SARS-like coronavirus/WIV1 S(1-1190) protein	S(1-1190)	Bat SARS-like-CoV	HEK293
bSARSIS-119V	Recombinant Bat SARS-like coronavirus/WIV1 S(RBD) protein	S(RBD)	Bat SARS-like-CoV	HEK293
bSARSIS-120V	Recombinant Bat SARS-like coronavirus/HKU3-1 S(1-1190) protein	S(1-1190)	Bat SARS-like-CoV	HEK293
bSARSIS-121V	Recombinant Bat SARS-like coronavirus/HKU3-1 S(RBD) protein	S(RBD)	Bat SARS-like-CoV	HEK293