

Recombinant Bat SARS-like coronavirus/WIV1 S(1-1190) protein

Cat. No. bSARSIS-118V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bat SARS-like coronavirus/WIV1 S Protein (1-1190), was expressed in HEK293.
Species	BtCoV
Source	HEK293
ProteinLength	1-1190 aa
Description	Spike protein S1: attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Spike protein S2': Acts as a viral fusion peptide which is unmasked following S2 cleavage occurring upon virus endocytosis. Spike protein S2: mediates fusion of the virion and cellular membranes by acting as a class I viral fusion protein. Under the current model, the protein has at least three conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.
Form	Each vial contains 100 ug purified protein (1mg/ml) in PBS (pH7.4).
Purity	>95%

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Applications	WB standard, Ab ELISA, immunogen, etc.
Usage	For research use only, not for use in diagnostic procedures.
Storage	Store at -80 centigrade, Avoid freeze/thaw cycle.
Concentration	1 mg/ml

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