

Active Recombinant SARS-CoV S Protein, His-tagged

Cat. No. S-029S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV spike RBD protein fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	SARS-CoV
Source	HEK293
Description	May down-regulate host tetherin (BST2) by lysosomal degradation, thereby counteracting its antiviral activity.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human ACE-2.
Molecular Mass	24.8 kDa
AA Sequence	RVVPSGDVVRFPNITNLCPFGEVFNATKFPSVYAWERKKISNCVADYSVLYNSTFFS TFKCYGVSATKLNDLCFSNVYADSFVVKGDDVRQIAPGQTGVIADYNYKLPPDFMG CVLAWNTRNIDATSTGNYNKYRYLRHGKLRPFERDISNVPFSPDGKPCPTPPALNC YWPLNDYGFYTTTGIGYQPYRVVLSFELLNAPATVCGPKL
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE

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Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -108 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

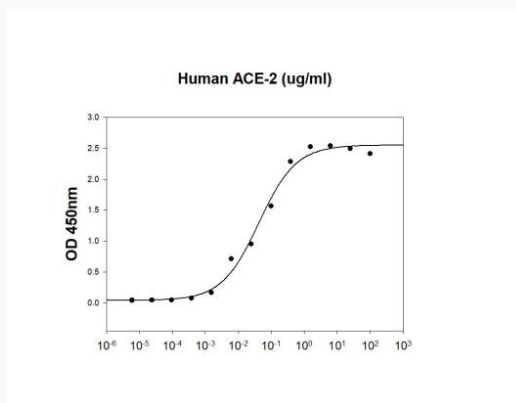
Gene Name	S spike glycoprotein [SARS coronavirus Tor2]
Official Symbol	S
Synonyms	S; spike glycoprotein; E2; spike glycoprotein
Gene ID	1489668
Protein Refseq	NP_828851.1
UniProt ID	P59594

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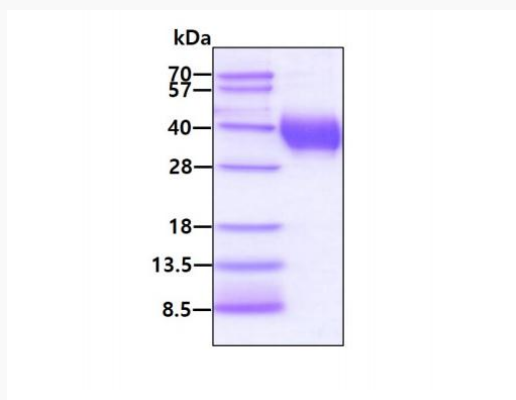
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Biological Activity



SARS-CoV Spike RBD is coated at 5µg/mL (100 µL/well) can bind ACE-2 in a Functional ELISA assay.

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain