

## Recombinant SARS S Protein, Fc-tagged

Cat. No. S-673V Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike (AAX16192.1) (Arg306-Phe527) was expressed with the Fc region of rabbit IgG at the C-terminus.
<b>Species</b>	SARS
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	306-527 a.a.
<b>Predicted N Terminal</b>	Arg 306
<b>Form</b>	Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, pH 8.0, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike comprises 446 amino acids and has a predicted molecular mass of 50.2 kDa. The apparent molecular mass of the protein is approximately 78.9 and 54.3 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	(36.8+ 56.0) % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.

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**Storage** Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** S E2 glycoprotein precursor [ SARS coronavirus ]

**Official Symbol** S

**Synonyms** E2; E2 glycoprotein precursor; spike glycoprotein

**Gene ID** 1489668

**mRNA Refseq**

**Protein Refseq** NP\_828851

**MIM**

**UniProt ID**

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