

Recombinant SARS S Protein, Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	SARS
Source	Insect Cells
ProteinLength	306-527 a.a.
Predicted N Terminal	Arg 306
Form	Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, pH 8.0, 5%~8% trehalose and mannitol.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	(36.8+ 56.0) % as determined by SDS-PAGE.
Stability	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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