

## Recombinant SARS S, Fc-tagged

Cat. No. S-389S Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the 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>	Arg306-Phe527
<b>Form</b>	Lyophilized from sterile PBS, pH7.4.
<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
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution**      Hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Gene Name**      [S E2 glycoprotein precursor \[ SARS coronavirus \]](#)

**Official Symbol**      S

**Synonyms**      S; E2 glycoprotein precursor; spike glycoprotein; NP\_828851.1; As established by Krokhn et al. (2003), the glycosylated spike protein (as well as the nucleocapsid protein) can be detected in infected cell culture supernatants with antisera from SARS patients.

**Gene ID**      [1489668](#)

**Protein Refseq**      [NP\\_828851](#)

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