Recombinant SARS S, His-tagged

Cat. No. S-390S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike (AAX16192.1) (Arg306-Phe527) was expressed with a C-terminal polyhistidine tag.
Species	SARS
Source	Insect Cells
ProteinLength	Arg306-Phe527
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant receptor binding domain (RBD) of human SARS coronavirus (isolate:WH20) spike comprises 233 amino acids and has a predicted molecular mass of 26.5 kDa. The apparent molecular mass of the protein is approximately 35.1 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. 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 Krokhin 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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