

Recombinant SARS-CoV-2 S Protein (RBD, Arg319-Asn541), C-His tagged, Animal-free, Carrier-free

Cat. No. S-225S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 S Protein (RBD, Arg319-Asn541) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	SARS-CoV-2
Source	E.coli
ProteinLength	Arg319-Asn541
Description	<p>Coronaviruses are enveloped positive-sense RNA viruses. Spike protein on the viral envelope and the cognate receptor on the surface of host cells that are essential for entry into host cells upon receptor binding and membrane fusion. Spike proteins are target for neutralization antibody, and mediate membrane fusion and virus entry. Receptor-binding domain (RBD), which is the S protein mediates viral entry into host cells by first binding to a host receptor.</p>
Form	Lyophilized
Molecular Mass	<p>The protein has a calculated MW of 26.04 kDa. The protein migrates as 25-35 kDa under reducing condition (SDS-PAGE analysis).</p>
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at:

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-20 centigrade for 12 months in lyophilized state from date of receipt.
 -20 or -80 centigrade for 1 month under sterile conditions after reconstitution.
 Avoid repeated freeze/thaw cycles.

Storage Buffer Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name [S surface glycoprotein \[Severe acute respiratory syndrome coronavirus 2 \]](#)

Official Symbol [S](#)

Synonyms S; surface glycoprotein; spike glycoprotein; structural protein; spike protein

Gene ID [43740568](#)

Protein Refseq [YP_009724390](#)

UniProt ID [P0DTC2](#)

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