

# Recombinant SARS-CoV-2 Spike S1 (K417N, E484K, N501Y, D614G) Protein, His-tagged

Cat. No. S-450S Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-CoV-2 Spike S1 (YP_009724390.1) (Met1-Arg685, with mutations K417N, E484K, N501Y, D614G) was expressed in HEK293 cell with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro. The mutations were identified in the SARS-CoV-2 variant (known as 20C/501Y.V2 or B.1.351 lineage) which emerged in South Africa.
<b>Species</b>	SARS-CoV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-685
<b>Predicted N Terminal</b>	Val 16
<b>Molecular Mass</b>	The recombinant SARS-CoV-2 (2019-nCoV) Spike S1(K417N, E484K, N501Y, D614G)-His Recombinant Protein consists of 681 amino acids and predicts a molecular mass of 76.4 kDa. As a result of glycosylation, it migrates as an approximately 114.7 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU/μg protein as determined by the LAL method.
<b>Purity</b>	> 85 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80

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centigrade.

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer**

Lyophilized from sterile PBS, pH 7.4.

Please contact us for any concerns or special requirements.

Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

**GENE INFORMATION**

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

**Official Symbol** [S](#)

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

**Gene ID** [43740568](#)

**mRNA Refseq** [MN908947](#)

**Protein Refseq** [YP\\_009724390](#)

**SDS-PAGE**

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