

## Active Recombinant SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD (D614G) Protein, His-tagged

Cat. No. S-484S Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD) (YP_009724390.1) (Met1-Pro1213(D614G)) was expressed in insect cell with a polyhistidine tag at the C-terminus.
<b>Species</b>	SARS-CoV-2
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-1213
<b>Predicted N Terminal</b>	Val 16
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (Fc tag) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD (D614G)-His, the EC50 of SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD (D614G)-His is 0.5-1.2 µg/mL.
<b>Molecular Mass</b>	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD (D614G), His tag) consists of 1209 amino acids and predicts a molecular mass of 134.3 kDa.
<b>Endotoxin</b>	< 1.0 EU/µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.

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**Storage**

Samples are stable for up to twelve months from date of receipt at -20 to -80 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 20 mM Tris, 300 mM NaCl, 10 % glycerol, pH 8.0.

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

### Activity

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