

## Active Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD (A435S) Protein, His-tagged

Cat. No. S-524S Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (RBD) (YP_009724390.1(A435S)) (Arg319-Phe541) was expressed in HEK293 cell with a polyhistidine tag at the C-terminus.
<b>Species</b>	SARS-CoV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	319-541
<b>Predicted N Terminal</b>	Arg 319
<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 RBD-His (A435S) Recombinant Protein, the EC <sub>50</sub> of SARS-CoV-2 (2019-nCoV) Spike RBD-His (A435S) Recombinant Protein is 20-50 ng/mL.
<b>Molecular Mass</b>	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (RBD, His Tag) consists of 234 amino acids and predicts a molecular mass of 26.56 kDa.
<b>Endotoxin</b>	< 1.0 EU/µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % 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 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

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