

Active Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(G476S) Protein, His-tagged

Cat. No. S-561S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(G476S)-His Recombinant Protein (YP_009724390.1) (Arg319-Phe541(G476S)) was expressed in HEK293 cell with a polyhistidine tag at the C-terminus.
Species	SARS-CoV-2
Source	HEK293
ProteinLength	319-541
Predicted N Terminal	Arg 319
Bio-activity	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(G476S)-His Recombinant Protein, the EC50 of SARS-CoV-2 (2019-nCoV) Spike RBD(G476S)-His Recombinant Protein is 25-60 ng/mL.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(G476S)-His Recombinant Protein consists of 234 amino acids and predicts a molecular mass of 26.57 kDa.
Endotoxin	< 1.0 EU/µg protein as determined by the LAL method.
Purity	> 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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