

Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K458Q) Protein, His-tagged

Cat. No. S-550S Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K458Q)-His Recombinant Protein (YP_009724390.1) (Arg319-Phe541(K458Q)) 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

Molecular Mass The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K458Q)-His Recombinant Protein consists of 234 amino acids and predicts a molecular mass of 26.5 kDa. As a result of glycosylation, it migrates as an approximately 35.4 kDa band in SDS-PAGE under reducing conditions.

Endotoxin < 1.0 EU/μg protein as determined by the LAL method.

Purity > 80 % as determined by SDS-PAGE.

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

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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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