

Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(K417N, E484K, N501Y) Protein, His-tagged, Biotinylated

Cat. No. S-459S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) Spike RBD (YP_009724390.1, with mutations K417N, E484K, N501Y) (Arg319-Phe541) 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.
Species	SARS-CoV-2
Source	HEK293
ProteinLength	319-541
Predicted N Terminal	Ser
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD consists of 235 amino acids and predicts a molecular mass of 26.7 kDa. As a result of glycosylation, it migrates as an approximately 36 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU/μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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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.

Conjugation

Biotin

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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