

Recombinant SARS-CoV-2 (2019-nCoV) Spike S1+S2 ECD (D80A, K417N, E484K, N501Y, D614G, A701V) Protein, His-tagged

Cat. No. S-448S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) Spike S1+S2 (YP_009724390.1, with mutations D80A, K417N, E484K, N501Y, D614G, A701V) (Met1-Pro1213) was expressed in insect cell with a polyhistidine tag at the C-terminus. 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	Insect Cells
ProteinLength	1-1213
Predicted N Terminal	Val 16
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike S1+S2 consists of 1209 amino acids and predicts a molecular mass of 134.4 kDa.
Endotoxin	< 1.0 EU/μg protein as determined by the LAL method.
Purity	> 90 % 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 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

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