

Recombinant 2019-nCoV Spike S1 (T19R, G142D, E156G, 157-158 deletion, L452R, T478K, D614G, P681R) Protein, His-tagged

Cat. No. Spike-470V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 2019-nCoV Spike S1 (T19R, G142D, E156G, 157-158 deletion, L452R, T478K, D614G, P681R) Protein (YP_009724390.1)(Met1-Arg685), fused to His tag, was expressed in HEK293.
Species	Sars-Cov-2
Source	HEK293
Protein Length	Met1-Arg685
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant SARS-CoV-2 Spike S1 consists of 679 amino acids and predicts a molecular mass of 76.27 kDa. As a result of glycosylation, it migrates as an approximately 95.12 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per 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°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [S surface glycoprotein \[Severe acute respiratory syndrome coronavirus 2 \]](#)

Official Symbol [S](#)

Synonyms Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19

Gene ID [43740568](#)

Protein Refseq [YP_009724390.1](#)

UniProt ID [P0DTC2](#)

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