

Recombinant COVID-19 Spike S1+S2 ECD (HV69-70 deletion, D614G, D796H) protein(Met1-Pro1213), His-tagged

Cat. No. Spike-1249V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike Protein (S1+S2 ECD) (YP_009724390.1) (Met1-Pro1213(HV69-70 deletion, D614G, D796H)) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	Sars-CoV-2
Source	Insect Cells
ProteinLength	Met1-Pro1213
Form	Lyophilized from sterile 20 mM Tris, 300 mM NaCl, 10 % glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD(HV69-70 deletion, D614G, D796H), His tag) consists of 1207 amino acids and predicts a molecular mass of 134.1 kDa.
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. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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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 [Spike](#)

Synonyms Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1

Gene ID [43740568](#)

Protein Refseq [YP_009724390.1](#)

UniProt ID [P0DTC2](#)

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