

Active Recombinant COVID-19 Spike protein, mFc-tagged

Cat. No. Spike-193V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike protein(YP_009724390.1)(Val16-Arg685), fused with mFc tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	16-685 a.a.
Form	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. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (His tag) at 2µg/mL (100µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike Protein (S1, mFc Tag)(40591-V05H1), the EC50 of 2019-nCoV Spike Protein (S1, mFc Tag) is 90-240 ng/mL.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit, mFc Tag) consists of 904 amino acids and predicts a molecular mass of 101.4 kDa.
Proteinlength	Val16-Arg685
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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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 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.

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