

Recombinant COVID-19 Spike protein, Ser-tagged

Cat. No. Spike-1967C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike protein(YP_009724390.1)(Arg319-Phe541(K417N, E484K, N501Y)), fused with Ser tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Arg319-Phe541(K417N, E484K, N501Y)
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.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD consists of 448 amino acids and predicts a molecular mass of 50.4 kDa. As a result of glycosylation, it migrates as an approximately 57.4 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 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.

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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

Official Symbol

Spike

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