

Active Recombinant COVID-19 Spike NTD protein, His-Avi-tagged, Biotinylated

Cat. No. Spike-4866V Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant COVID-19 protein(Val 16 - Phe 318), fused with His and Avi tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Phe 318
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Anti-SARS-CoV-2 Spike NTD Antibody, Chimeric mAb at 1 µg/mL (100 µL/well) can bind Biotinylated SARS-CoV-2 S1 protein NTD, His,Avitag with a linear range of 1-25 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag)The protein has a calculated MW of 38.0 kDa. The protein migrates as 53-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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.

Conjugation

Biotin

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; COVID-19 Omicron

Gene ID

43740568

Protein Refseq

YP_009724390.1

UniProt ID

P0DTC2

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