

Active Recombinant COVID-19 Spike NTD protein(XD/BA.1 x AY.4), His-tagged

Cat. No. Spike-727V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike NTD protein(XD/BA.1 x AY.4)(Ser 13 - Leu 303)(Accession # QHD43416.1 (T19R, A27S, T95I, G142D, EFR156-158G, N211del, L212I, ins214EPE)), fused with His tag at the C-terminus, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Ser 13 - Leu 303
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 . Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized SARS-CoV-2 Spike NTD, His Tag (XD/BA.1 x AY.4 recombinant) at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Spike NTD Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.1-2 ng/mL.
Molecular Mass	The protein has a calculated MW of 34.9 kDa. The protein migrates as 47-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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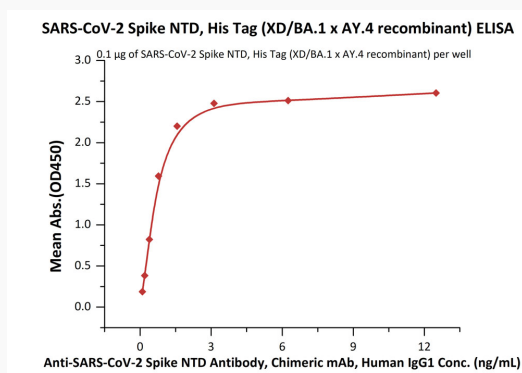
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Storage	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

Bioactivity-ELISA

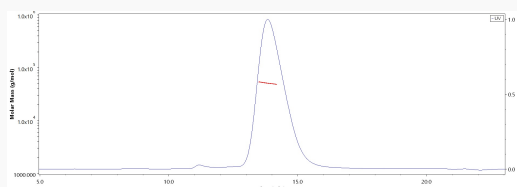


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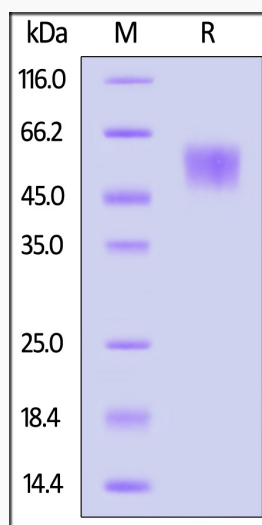
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SEC-MALS



SDS-PAGE



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