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

Cat. No. Spike-726V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike Trimer protein(XD/BA.1 x AY.4)(Val 16 - Pro 1213)(Accession # QHD43416.1(T19R, A27S, T95I, G142D, EFR156G, NL211I, INS214EPE, G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H, T547K, D614G, H655Y, N679K, P681H, N764K, D796Y, N856K, Q954H, N969K, L981F, R683A, R685A, F817P, A892P, A899P, A942P, K986P, V987P)), fused with His tag at the C-terminus, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Pro 1213
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 Trimer, His Tag (XD/BA.1 x AY.4 recombinant) at 1 μg/mL (100 μL/well) can bind Human ACE2, Fc Tag with a linear range of 0.4-25 ng/mL.
Molecular Mass	The protein has a calculated MW of 138.5 kDa. The protein migrates as 160-190 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

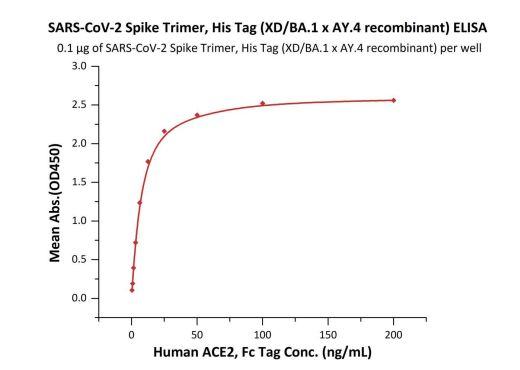
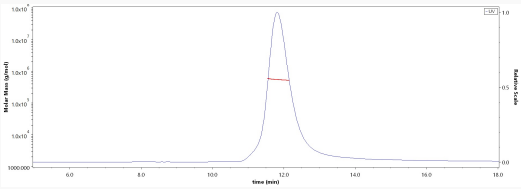
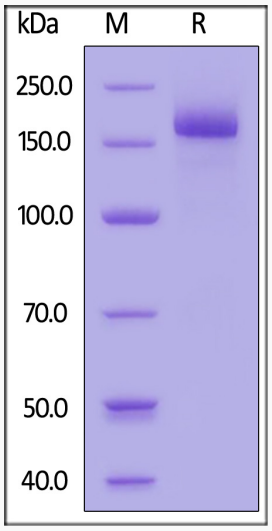
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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under 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

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Bioactivity-ELISA	
SEC-MALS	
SDS-PAGE	

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