

Active Recombinant COVID-19 Spike protein(BA.3/Omicron), His Tag

Cat. No. Spike-734V Lot. No. (See product insert)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike Trimer protein(BA.3/Omicron)(Val 16 - Pro 1213) (Accession # QHD43416.1 (A67V,H69del,V70del,T95I,G142D,V143del,Y144del,Y145del,N211del,L212I,G339D,S371F,S373P,S375F,D409V,R685A, F817P, A892P, A899P, A942P, K986P, V987P)), fused with His tag at the C-terminus, was expressed in E. coli.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Pro 1213
Form	Lyophilized from 0.22 µm filtered solution in PBS. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized SARS-CoV-2 Spike Trimer, His Tag (BA.3/Omicron) at 1 µg/mL (100 µL/well) can bind Human ACE2.
Molecular Mass	The protein has a calculated MW of 137.7 kDa. The protein migrates as 160-200 kDa under reducing (R) conditions.
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;

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-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

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-
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SEC-MALS	
SDS-PAGE	

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