

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

Cat. No. Spike-732V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike S1 protein(BA.3/Omicron)(Val 16 - Arg 685)(QHD43416.1 (A67V,H69del,V70del,T95I,G142D,V143del,Y144del,Y145del,N211del,L212I,G339D,S371F,S373P,S375F,D402G) fused with His tag at the C-terminus, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Arg 685
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 S1, His Tag (BA.3/Omicron) at 2 µg/mL (100 µL/well) can bind Human ACE2, His-tagged protein.
Molecular Mass	The protein has a calculated MW of 76.5 kDa. The protein migrates as 100-115 kDa under reducing (R) conditions.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
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.

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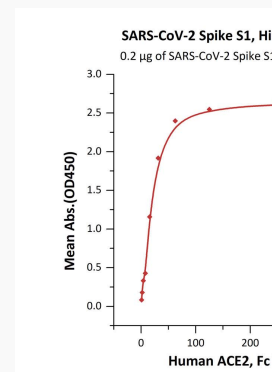
 45-1 Ramsey Road, Shirley, NY 11967, USA

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-ELISA

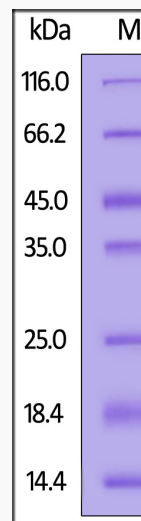


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SDS-PAGE



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