

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

Cat. No. Spike-4794V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Protein, His Tag (BA.3/Omicron), fused with His tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
Form	Supplied as 0.2 µm filtered solution in PBS.
Bio-activity	Immobilized SARS-CoV-2 Spike Trimer, His Tag (BA.3/Omicron) at 1 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 2-31 ng/mL. Immobilized SARS-CoV-2 Spike Trimer, His Tag (BA.3/Omicron) at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Spike RBD Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.001-0.013 µg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 137.8 kDa. The protein migrates as 160-200 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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Storage	Please avoid repeated freeze-thaw cycles. This product is stable after at: The product MUST be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.
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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.
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GENE INFORMATION

Gene Name	S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]
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Official Symbol	Spike
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Synonyms	Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron
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Gene ID	43740568
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Protein Refseq	YP_009724390.1
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UniProt ID	P0DTC2
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