

Recombinant COVID-19 Spike NTD protein(BA.2.75/Omicron), His-tagged, FITC-Labeled

Cat. No. Spike-705VF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC-Labeled Recombinant COVID-19 Spike NTD protein(BA.2.75/Omicron)(QHD43416.1)(Ser 13 - Leu 303), fused with C-terminal His tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Ser 13 - Leu 303
Conjugation/Label	FITC
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Anti-SARS-CoV-2 Spike NTD Antibody, Chimeric mAb, Human IgG1 at 1 µg/mL (100 µL/well) can bind FITC-Labeled SARS-CoV-2 Spike NTD, His Tag with a linear range of 0.039-2.5 µg/mL.
Molecular Mass	The protein has a calculated MW of 34.9 kDa. The protein migrates as 53-63 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please protect from light and avoid repeated freeze-thaw cycles. 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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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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Conjugation	FITC
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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
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UniProt ID	P0DTC2
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