

Active Recombinant COVID-19 Spike S2 protein (BA.1/Omicron), His/Avi-tagged, Biotinylated

Cat. No. Spike-4612V Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant COVID-19 protein (BA.1/Omicron)(Ser 686 - Pro 1213), fused with His and Avi tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Ser 686 - Pro 1213
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Biotinylated SARS-CoV-2 Spike S2 protein, His,Avitag (BA.1/Omicron) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Anti-SARS-CoV-2 Spike S2 protein Antibody, Human IgG4 with a linear range of 0.1-1 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag)The protein has a calculated MW of 61.7 kDa. The protein migrates as 80-100 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.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after 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.

Conjugation Biotin

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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