

# Active Recombinant COVID-19 Spike RBD Protein, His Tag (BA.2/Omicron), His-tagged

Cat. No. Spike-4647V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant COVID-19 Protein, His Tag (BA.2/Omicron), fused with His tag, was expressed in HEK293.
<b>Species</b>	Sars-CoV-2
<b>Source</b>	HEK293
<b>Form</b>	Supplied as 0.2 µm filtered solution in PBS, pH7.4.
<b>Bio-activity</b>	Immobilized SARS-CoV-2 Spike RBD, His Tag (BA.2/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 6.25-25 ng/mL. Immobilized SARS-CoV-2 Spike RBD, His Tag (BA.2/Omicron) at 1 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 0.001-0.05 µg/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.7 kDa. The protein migrates as 33-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
<b>Storage</b>	Please avoid repeated freeze-thaw cycles. This product is stable after at: The product

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MUST be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.

**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.

**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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