

Active Recombinant COVID-19 Spike Protein, His Tag (XBB+K356T/Omicron), His-tagged

Cat. No. Spike-4748V Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant COVID-19 Protein, His Tag (XBB+K356T/Omicron)(Val 16 - Pro 1213), fused with His tag, was expressed in HEK293. |
| Species | Sars-CoV-2 |
| Source | HEK293 |
| ProteinLength | Val 16 - Pro 1213 |
| Form | Lyophilized from 0.22 µm filtered solution in PBS with trehalose as protectant. |
| Bio-activity | Immobilized Human ACE2, Fc Tag at 5 µg/mL (100 µL/well) can bind SARS-CoV-2 Spike Trimer, His Tag (XBB+K356T/Omicron) with a linear range of 0.2-20 ng/mL. |
| Molecular Mass | This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 137.8 kDa. The protein migrates as 190-220 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. |
| 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 |

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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.

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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