

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant COVID-19 Protein, His Tag (XBB+K356T/Omicron)(Val 16 - Pro 1213), fused with His tag, was expressed in HEK293.                                                                                |
| <b>Species</b>          | Sars-CoV-2                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Val 16 - Pro 1213                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS with trehalose as protectant.                                                                                                                           |
| <b>Bio-activity</b>     | 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.                                                |
| <b>Molecular Mass</b>   | 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. |
| <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>          | 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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