

## Recombinant Bat coronavirus Spike Protein (R653A, KV954-955PP), His-tagged

**Cat. No.** Spike-4774B    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Bat coronavirus Protein (R653A, KV954-955PP)(Ala 13 - Pro 1181), fused with His tag, was expressed in HEK293.                                                                                                                                                           |
| <b>Species</b>          | BtCoV                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ala 13 - Pro 1181                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                 |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 134.9 kDa. The protein migrates as 160-190 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.                                                                                                                                                                                                                                                     |
| <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 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.

**GENE INFORMATION**

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| <b>Gene Name</b> | S surface glycoprotein [ Severe acute respiratory syndrome coronavirus 2 ] |
|------------------|----------------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | Spike |
|------------------------|-------|

|                 |                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron |
|-----------------|-------------------------------------------------------------------------------------------------------------|

|                |          |
|----------------|----------|
| <b>Gene ID</b> | 43740568 |
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| <b>Protein Refseq</b> | YP_009724390.1 |
|-----------------------|----------------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | P0DTC2 |
|-------------------|--------|

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