

# Active Recombinant COVID-19 Spike S1 protein, His-Avi-tagged, Biotinylated

**Cat. No.** Spike-4886V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Biotinylated Recombinant COVID-19 protein, fused with His and Avi 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 10 mM PB, pH7.4.                                                                                                                                                                                   |
| <b>Bio-activity</b>     | Immobilized Human ACE2, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated SARS-CoV-2 S1 protein, His,Avitag with a linear range of 20-312 ng/mL.                                                                                       |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 78.6 kDa. The protein migrates as 100-150 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>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                            |
| <b>Storage</b>          | Please avoid repeated freeze-thaw cycles. This product is stable after at:<br>The product MUST be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.                                                      |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | 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. |
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| <b>Conjugation</b> | Biotin |
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## GENE INFORMATION

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|------------------|----------------------------------------------------------------------------|
| <b>Gene Name</b> | S surface glycoprotein [ Severe acute respiratory syndrome coronavirus 2 ] |
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| <b>Official Symbol</b> | Spike |
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| <b>Synonyms</b> | Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron |
|-----------------|-------------------------------------------------------------------------------------------------------------|

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

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

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