

# Active Recombinant COVID-19 Spike S1 protein(BA.2/Omicron), His-tagged

**Cat. No.** Spike-737V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant COVID-19 Spike S1 protein(BA.2/Omicron)(Val 16 - Arg 685)(Accession # QHD43416.1(T19I, LPP24-26del, A27S, G142D, V213G, G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H)), fused with His tag at the C-terminus, was expressed in HEK293. |
| <b>Species</b>          | Sars-CoV-2   |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | Val 16 - Arg 685   |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.   |
| <b>Bio-activity</b>     | Immobilized SARS-CoV-2 Spike S1, His Tag (BA.2/Omicron) at 2 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 4-125 ng/mL.   |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 76.7 kDa. The protein migrates as 100-110 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.  |

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**Storage** This product is stable after storage at:  
-20°C 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](#)

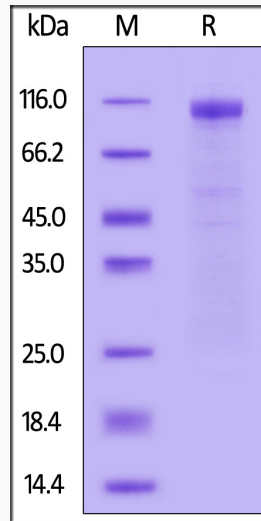
**UniProt ID** [P0DTC2](#)

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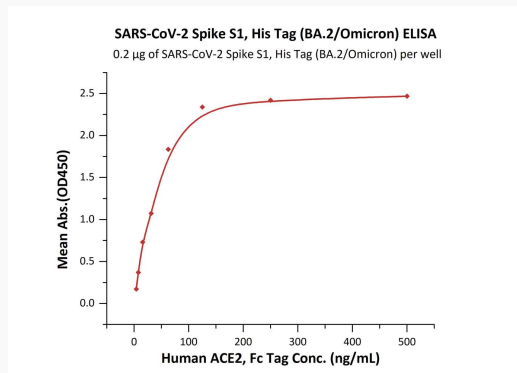
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**SDS-PAGE**



**Bioactivity-ELISA**



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