

## Recombinant SARS-CoV (Isolate Tor2) Spike protein(Arg306-Phe527), His&Avi-tagged, Biotinylated

**Cat. No.** Spike-3301V    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant SARS-CoV (Isolate Tor2) Spike protein(NP_828851.1)(Arg306-Phe527), fused with His&Avi tag, was expressed in HEK293.                                                                                                                                        |
| <b>Species</b>          | SARS-CoV (Isolate Tor2)                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Arg306-Phe527                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Molecular Mass</b>   | The recombinant SARS-CoV (isolate: Tor2) spike RBD consists of 249 amino acids and predicts a molecular mass of 28.4 kDa. As a result of glycosylation, it migrates as an approximately 37.1 kDa band in SDS-PAGE under reducing conditions.                                        |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C                                                                                                                                                                                                   |

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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.

**Conjugation**

Biotin

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