

# Biotinylated Recombinant SARS-COV-2 Spike S1+S2 ECD(S-ECD) Trimer Protein

Catalog No.: RP02331 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
SARS-COV-2		QHD43416.1

### Tags

C-His&Avi

### Synonyms

S protein;Spike glycoprotein;S glycoprotein;COVID-19

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

## Basic Information

### Description

Biotinylated Recombinant SARS-COV-2 Spike S Trimer Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Glu1188) of SARS-COV-2 Spike S Trimer fused with a His tag and Avi at the C-terminal.

### Bio-Activity

Immobilized Biotinylated SARS-COV-2 Spike S,His Tag at 0.5 μg/mL (100 μL/Well).Dose response curve for Human ACE2,hFc Tag with the EC<sub>50</sub> of 36.5 ng/mL determined by ELISA.

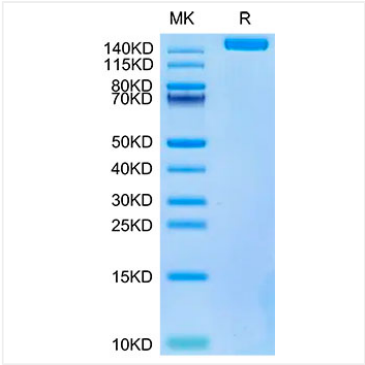
### Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

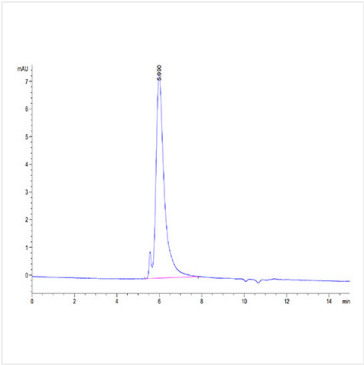
## Contact

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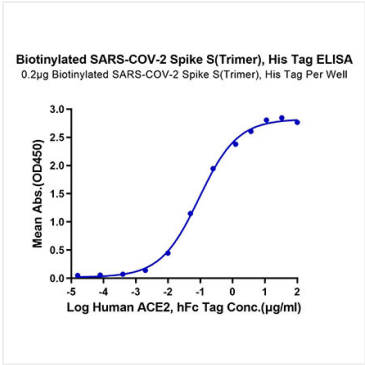
Validation Data



Biotinylated SARS-COV-2 Spike S Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated SARS-COV-2 Spike S Trimer is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated SARS-COV-2 Spike S (Trimer) , His Tag at 2μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human ACE2, hFc Tag with the EC<sub>50</sub> of 91.1ng/ml determined by ELISA.