

RP02330

Leader in Biomolecular Solutions for Life Science



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

Catalog No.: RP02330 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Expi293	QHD43416.1	QHD43416.1

### Tags

His tag and Avi tag at the C-terminal

### Synonyms

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

## Product Information

Source	Purification
Expi293	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

### 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

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

### Basic Information

#### Description

Recombinant SARS-COV-2 Spike S1+S2 ECD(S-ECD) Trimer Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Glu1188) of SARS-COV-2 Spike S1+S2 ECD(S-ECD) Trimer fused with His tag and Avi tag at the C-terminus.

#### Bio-Activity

Immobilized SARS-COV-2 Spike S Trimer,His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Human ACE2,hFc Tag with the EC<sub>50</sub> of 47.3/37.8/37.0ng/ml determined by ELISA.[Immobilized SARS-COV-2 Spike S Trimer,His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Human ACE2,hFc Tag with the EC<sub>50</sub> of 47.3ng/ml determined by ELISA.

#### Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

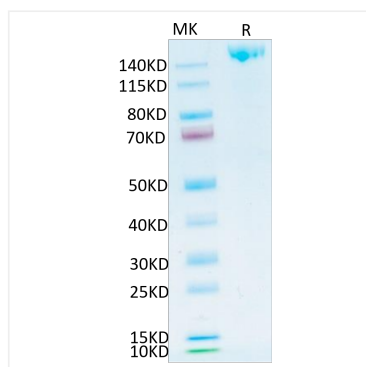
## Contact



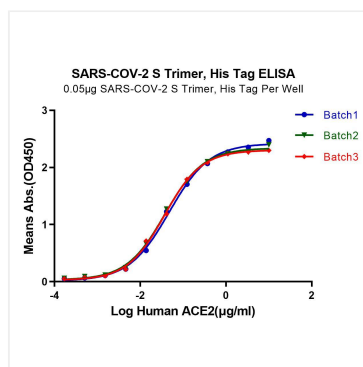
[www.abclonal.com](http://www.abclonal.com)

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

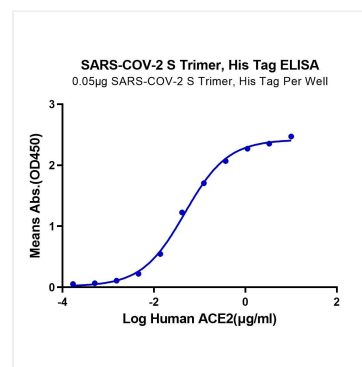
## Validation Data



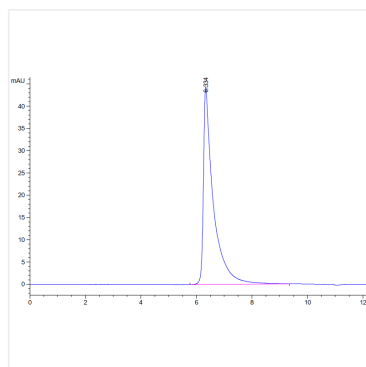
SARS-COV-2 Spike S Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized SARS-COV-2 Spike S Trimer,His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Human ACE2,hFc Tag with the EC<sub>50</sub> of 47.3/37.8/37.0ng/ml determined by ELISA.



Immobilized SARS-COV-2 Spike S Trimer,His Tag at 0.5μg/ml (100μl/Well). Dose response curve for Human ACE2,hFc Tag with the EC<sub>50</sub> of 47.3ng/ml determined by ELISA.



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