

RP02484

Leader in Biomolecular Solutions for Life Science



# Recombinant SARS-CoV Spike S1 Protein

Catalog No.: RP02484

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV	1489668	P59594

### Tags

C-hFc&Avi

### Synonyms

Spike;Spike RBD;Spike S1

## Product Information

### Source

HEK293 cells

### Purification

> 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

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

Recombinant SARS-CoV Spike S1 Protein is produced by Expi293 expression system.  
The target protein is expressed with sequence (Ser14-Arg667) of SARS SARS Spike S1  
fused with hFc tag and Avi tag at the C-terminal.

### Bio-Activity

Immobilized Human ACE2 at 2 μg/mL(100 μL/Well).Dose response curve for SARS S1  
with the EC<sub>50</sub> of 0.39 μg/mL determined by ELISA.

### Storage

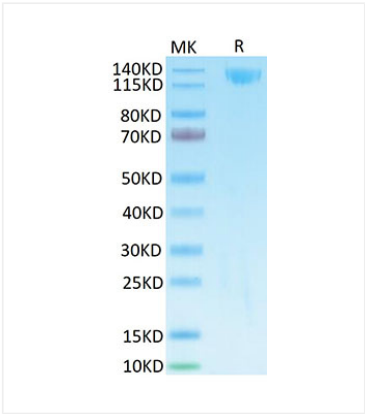
Store the lyophilized protein at -20°C to -80°C for long term.<br/>After reconstitution,  
the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

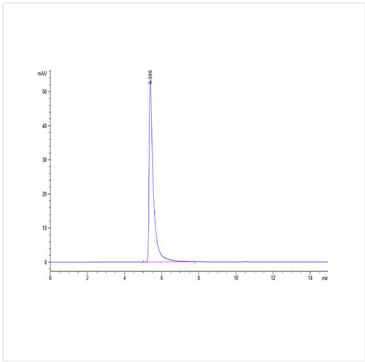


[www.abclonal.com](http://www.abclonal.com)

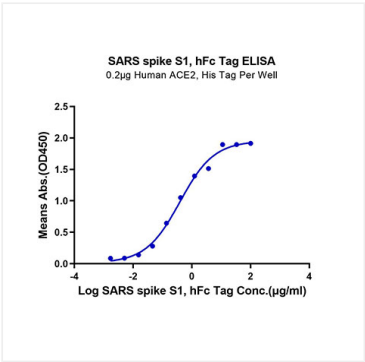
Validation Data



SARS Spike S1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of SARS spike S1 is greater than 95% as determined by SEC-HPLC.



Immobilized Human ACE2 at 2μg/ml (100μl/Well).Dose response curve for SARS Spike S1, hFc Tag with the EC<sub>50</sub> of 0.39μg/ml determined by ELISA.