

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	Purification
HEK293 cells	> 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.

Contact

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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.

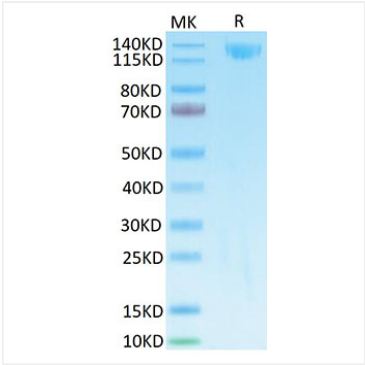
Bio-Activity

Immobilized Human ACE2 at 2 μg/mL(100 μL/Well).Dose response curve for SARS S1 with the EC₅₀ of 0.39 μg/mL determined by ELISA.

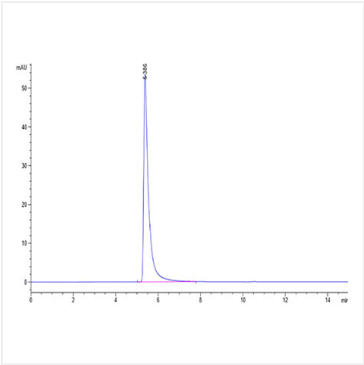
Storage

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.

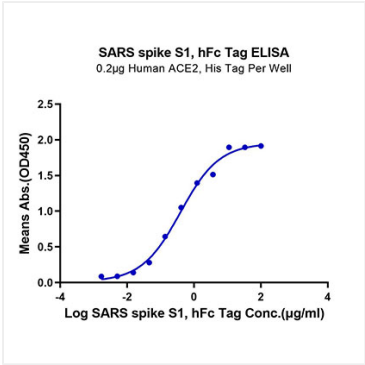
Validation Data



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 EC₅₀ of 0.39µg/ml determined by ELISA.