

RP02327

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Recombinant SARS-COV-2 Spike S1+S2 ECD(S-ECD)(D614G) Trimer Protein

Catalog No.: RP02327 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	43740568	QHD43416.1

Tags

C-His&Avi

Synonyms

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

Product Information

Source

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.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by 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

Background

Basic Information

Description

Recombinant SARS-COV-2 Spike S Trimer (D614G) Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Glu1188(D614G)) of SARS-COV-2 Spike S Trimer (D614G) fused with a His tag and Avi at the C-terminal.

Bio-Activity

Immobilized SARS-COV-2 Spike S (D614G) Trimer, His Tag at 1 μg/mL (100 μL/Well) on the plate. Dose response curve for Human ACE2, Fc Tag with the EC₅₀ of 0.1 μg/mL determined by ELISA.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

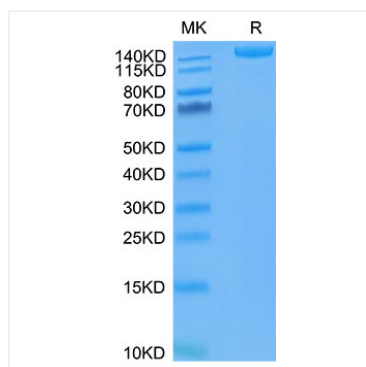
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Contact

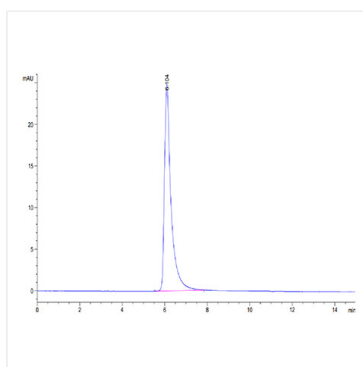


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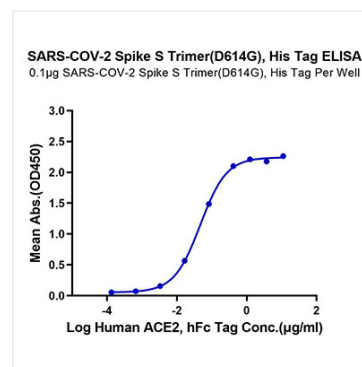
Validation Data



Recombinant SARS-COV-2 Spike S1+S2 ECD(S-ECD)(D614G) Trimer Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of SARS-COV-2 Spike S Trimer (D614G) is greater than 95% as determined by SEC-HPLC.



Immobilized SARS-COV-2 Spike S Trimer (D614G), His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 46.5ng/ml determined by ELISA.