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

Catalog No.: RP02327

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Sequence Information

Species
SARS-COV-2

Gene ID
43740568

Swiss Prot
QHD43416.1

Tags
C-His&Avi

Synonyms
S protein,Spike glycoprotein,S glycoprotein,COVID-19

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
136.7 kDa

Observed MW
175-230 kDa

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 stablizer (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-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.

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 EC_{50} 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.

Storage
Store at -20℃

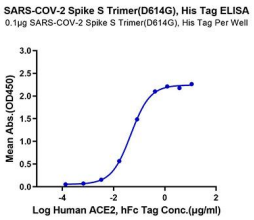
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

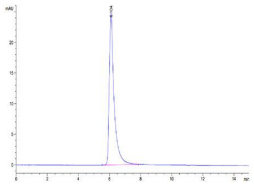
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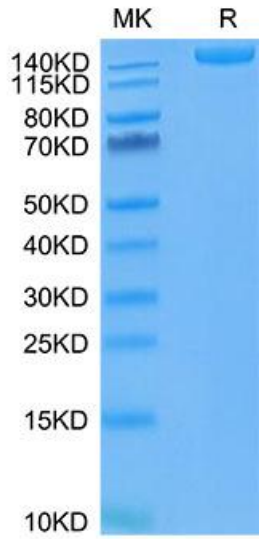
Validation Data



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 EC_{50} of 46.5ng /ml determined by ELISA.



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



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