

Recombinant SARS-COV-2 Spike S1(D614G) Protein

Catalog No.: RP02329 **Recombinant**

Sequence Information

Species **Gene ID** **Swiss Prot**
 SARS-COV-2 43740568 QHD43416.1

Tags

C-His&Avi

Synonyms

S1 protein; Spike glycoprotein Subunit1;S glycoprotein Subunit1; Spike protein S1

Background

Basic Information

Description

Recombinant SARS-COV-2 SARS-COV-2 Spike S1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln14-Arg683(D614G)) of SARS-COV-2 SARS-COV-2 Spike S1 fused with His tag and Avi at the C-terminal.

Bio-Activity

Immobilized SARS-CoV-2 S1(D614G),His Tag at 2 μ g/mL (100 μ L/Well) on plate.Dose response curve for Human ACE2,hFc Tag with the EC₅₀ of 42 ng/mL determined by ELISA.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

Operational Notes

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

Product Information

Source

HEK293 cells

Purification

\geq 95 % as determined by Tris-Bis PAGE; \geq 95 % as determined by HPLC.

Calculated MW

77.9 kDa

Observed MW

110-120 kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

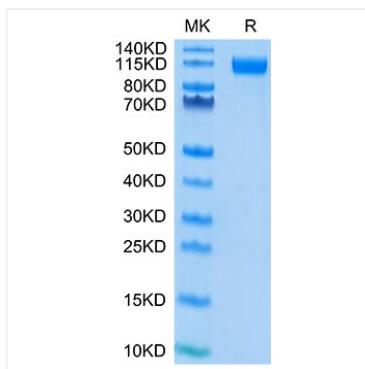
Reconstitution

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.

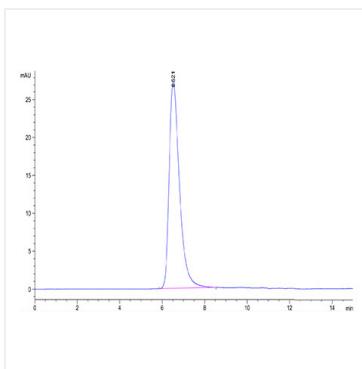
Contact

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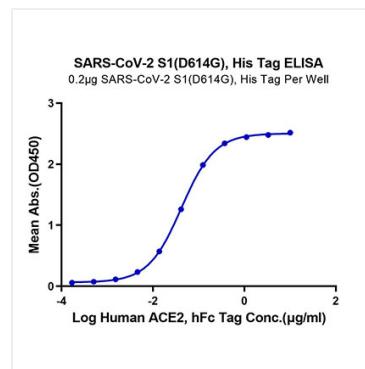
Validation Data



Recombinant SARS-CoV-2 Spike S1(D614G) Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of SARS-CoV-2 Spike S1 (D614G) is greater than 95% as determined by SEC-HPLC.



Immobilized SARS-CoV-2 S1 (D614G) , His Tag at 2 μ g/ml (100 μ l/Well) on plate.Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 42ng/ml determined by ELISA.