

Biotinylated Recombinant SARS-COV-2 Spike S1 Protein

Catalog No.: RP02328

Sequence Information

Species **Gene ID**
SARS-COV-2 43740568

Swiss Prot **Tags**
QHD43416.1 C-His-Avi

Synonyms

S1 protein, Spike glycoprotein
Subunit1, S glycoprotein Subunit1,
Spike protein S1

Product Information

Source **Purification**
Expi293 ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW **Observed MW**
77.9 kDa 110-120 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 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

Biotinylated 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) of SARS-COV-2 SARS-COV-2 Spike S1 fused with His tag and Avi tag at the C-terminal.

Activity

Immobilized Biotinylated SARS-COV-2 Spike S1, His Tag at 0.5 μg/ml (100 μl /Well). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 16.1 ng /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°C

Operational Notes

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

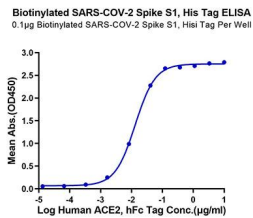
Contact

☎ | 400-999-6126

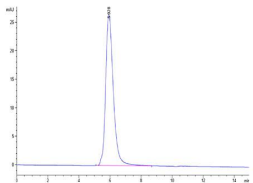
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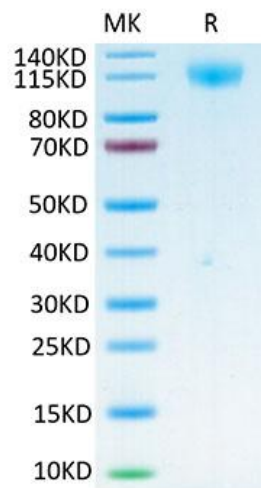
Validation Data



Immobilized Biotinylated SARS-COV-2 Spike S1, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 13.2ng/ml determined by ELISA.



The purity of Biotinylated SARS-COV-2 Spike S1 is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant SARS-COV-2 Spike S1 Protein was determined by Tris-Bis PAGE under reducing conditions.