

Biotinylated Recombinant SARS-COV-2 Spike RBD Protein

Catalog No.: RP02326 **Recombinant** **1 Publications**

Sequence Information

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

Tags

C-His&Avi

Synonyms

S protein RBD;Spike glycoprotein
Receptor-binding domain;S glycoprotein
RBD;Spike protein RBD

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
27 kDa	36-40 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.

Contact

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Background

Basic Information

Description

Biotinylated Recombinant SARS-COV-2 SARS-COV-2 Spike RBD Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Arg319-Asn532) of SARS-COV-2 SARS-COV-2 Spike RBD fused with His tag and Avi at the C-terminal.

Bio-Activity

Immobilized Human ACE2,His Tag at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated SARS COV-2 Spike RBD,His Tag with the EC₅₀ of 0.097 μg/mL determined by ELISA.

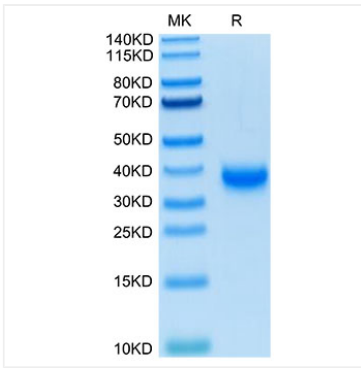
Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

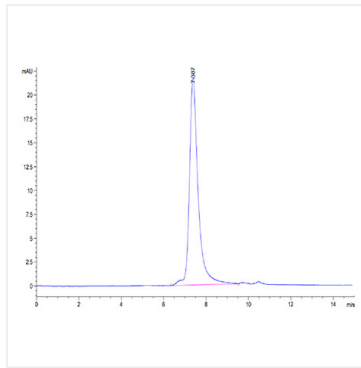
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

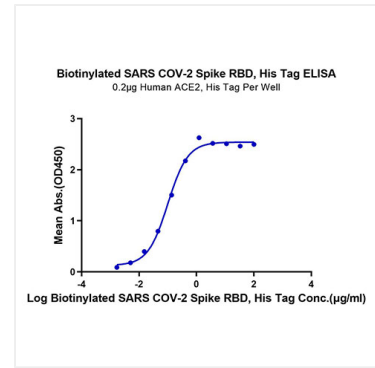
Validation Data



Biotinylated SARS-COV-2 Spike RBD on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized Human ACE2, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated SARS COV-2 Spike RBD, His Tag with the EC₅₀ of 0.097µg/ml determined by ELISA.