

Recombinant SARS-COV-2 Spike RBD Protein

Catalog No.: RP02332 **Recombinant**

Sequence Information

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

Tags

C-hFc&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 |
|---------------|-------------|
| 51.7 kDa | 60-62 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

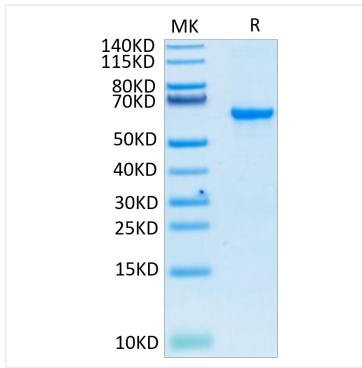
Recombinant SARS-COV-2 SARS-COV-2 Spike RBD Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Arg319-Asn532) of SARS-COV-2 SARS-COV-2 Spike RBD fused with hFc tag and Avi at the C-terminal.

Bio-Activity

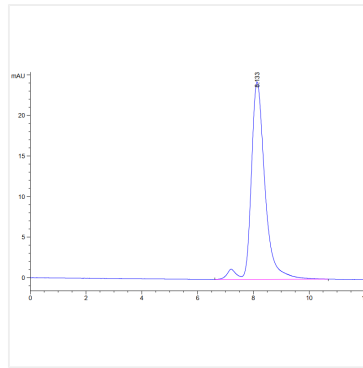
Storage

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



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



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