

Recombinant SARS-CoV Spike RBD Protein

Catalog No.: RP01299

Sequence Information

Species **Gene ID**
SARS-CoV 1489668

Swiss Prot **Tags**
P59594 C-His

Synonyms

Spike, Spike RBD, Spike S1

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
25.85 kDa 36–40

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, 300mM NaCl, pH 7.4. or Supplied as a 0.22 μm filtered solution in PBS, 300mM NaCl, pH 7.4.

Reconstitution

Centrifuge the vial 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

Recombinant SARS-CoV Spike RBD Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg306–Phe527) of sars-cov Spike RBD (Accession #NP_828851.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV Spike RBD at 2μg/mL (100μL/well) can bind Human ACE2 (Catalog: RP01275) with a linear range of 0.1–5.18 ng/mL.

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.

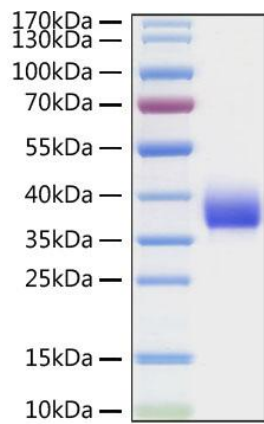
Contact

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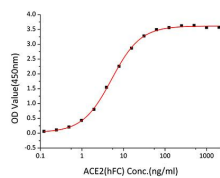
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Validation Data



Recombinant SARS-CoV Spike RBD Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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