RP01260MT
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# Recombinant SARS-CoV-2 Spike S1+S2 ECD(S-ECD) Protein

**Catalog No.: RP01260MT** Recombinant 2 Publications

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| HEK293 cells | 43740568 | |

**Tags**
C-His&Avi

**Synonyms**
Envelope;SARS-CoV-2 Spike RBD (N501Y);Spike;Spike ECD;Spike RBD;Spike S1;Spike S2;Spike S2 ECD;S1-RBD protein;NCP-CoV RBD Protein;novel coronavirus RBD Protein;2019-nCoV RBD Protein;S glycoprotein Subunit1 RBD Protein

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4 or Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.Contact us for customized product form or formulation.

**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 stablizer (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-2(2019-nCoV) S1+S2 ECD ( S-ECD ) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence Val16-Glu1188 of SARS-COV-2(2019-nCoV) S1+S2 ECD ( S-ECD ) (Accession #QHD43416.1) fused with a 6×His tag at the C-terminus.

**Bio-Activity**
Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Spike S1+S2 ECD at 2 μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 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.

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

**Storage**
Store at -20℃
Avoid repeated freeze/thaw cycles.

## Contact

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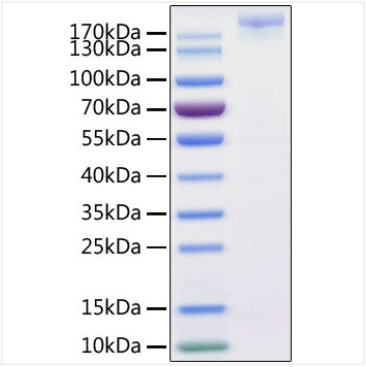
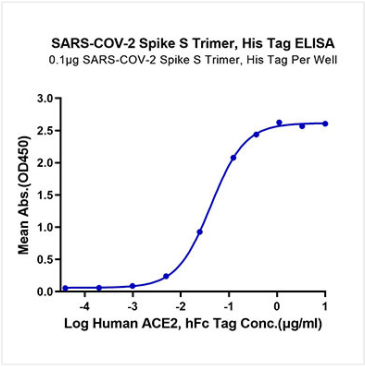
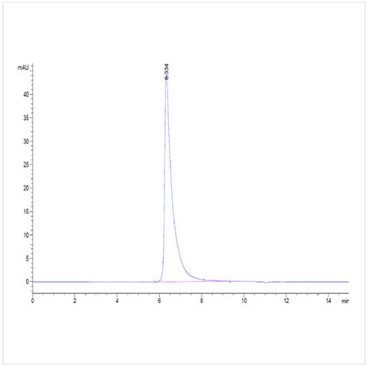
## Validation Data



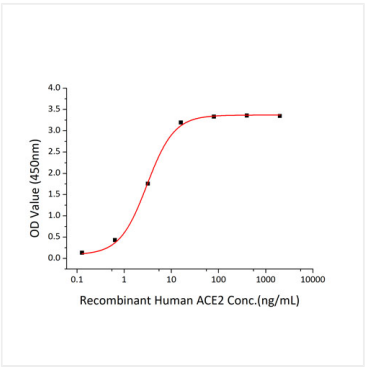

Recombinant SARS-CoV-2 Spike S1+S2 ECD(S-ECD) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.




Immobilized SARS-COV-2 Spike S Trimer, His Tag at 1μg/ml (100μl/Well). Dose response curve for Human ACE2, hFc Tag with the $EC_{50}$ of 42.2ng/ml determined by ELISA.



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




Immobilized Recombinant SARS-COV-2 Spike S1+S2 ECD at 2μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 ng/mL.