

RP01291LQ

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# Recombinant SARS-CoV-2 Spike S1+S2 ECD(S-ECD)(D614G) Protein

Catalog No.: RP01291LQ **Recombinant**

## Sequence Information

**Species** HEK293 cells  
**Gene ID** 43740568  
**Swiss Prot** P0DTC2

### Tags

C-His

### 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% by SDS-PAGE.

### Endotoxin

< 1.0 EU/μg of the protein by LAL method.

### Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

### Reconstitution

## Background

### Basic Information

#### Description

Recombinant SARS-CoV-2 S1+S2 ECD ( S-ECD ) (D614G) Protein with His tag is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val11-Gln1208(Asp614Gly)) of sars-cov-2 S1+S2 ECD ( S-ECD ) (D614G) (Accession #YP\_009724390.1) 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 0.15-2.58 ng/mL.

#### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

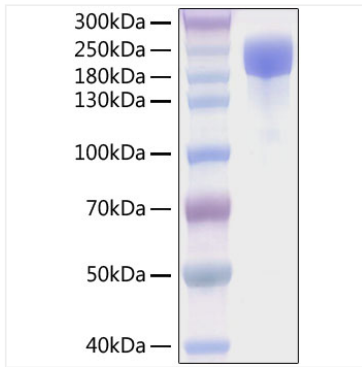
## Contact



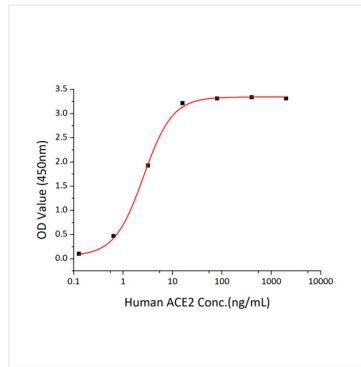
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## Validation Data

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Recombinant SARS-COV-2 S1+S2 ECD ( S-ECD ) (D614G) Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 180-200 kDa.



Immobilized recombinant SARS-CoV-2 Spike S1+S2 ECD at 2 $\mu$ g/mL (100  $\mu$ L/well) can bind recombinant Human ACE2 with a linear range of 0.15-2.58 ng/mL.