

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

Catalog No.: RP01283LQ **Recombinant** **4 Publications**

## Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740568	PODTC2

### 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	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
133.58 kDa	180 kDa

### Endotoxin

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

### Formulation

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

### Reconstitution

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

### Basic Information

#### Description

Recombinant SARS-CoV-2 S1+S2 ECD(S-ECD) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val11-Gln1208) of SARS-COV-2 S1+S2 ECD(S-ECD) (Accession #YP\_009724390.1) fused with a 6×His tag at the C-terminus. It is the wildtype sequence in pre-fusion state without any mutation.

#### Bio-Activity

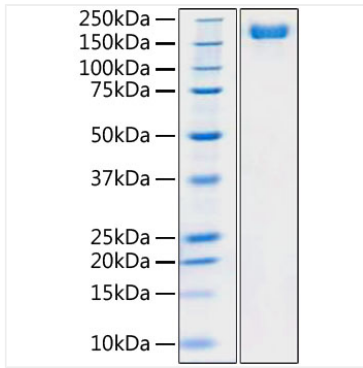
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2 S1+S2 ECD(S-ECD) at 2 μg/mL (100 μL/well) can bind recombinant Human ACE2 with a linear range of 0.15-3.72 ng/mL.

#### Storage

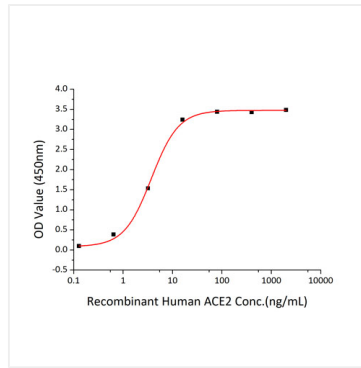
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

## Validation Data

---



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



Immobilized SARS-CoV-2 S1+S2 ECD(S-ECD) at 2 $\mu$ g/mL (100  $\mu$ L/well) can bind recombinant Human ACE2 with a linear range of 0.15-3.72 ng/mL.