

RP01283LQ

Leader in Biomolecular Solutions for Life Science



www.abclonal.com

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

Catalog No.: RP01283LQ

Recombinant

4 Publications

## 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 % as determined by SDS-PAGE.

### 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

## 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.

#### Shipping

The product is shipped at ambient temperature. 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 -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.

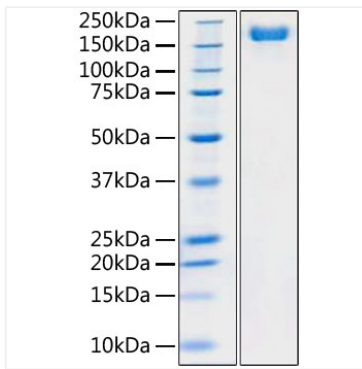
## Contact



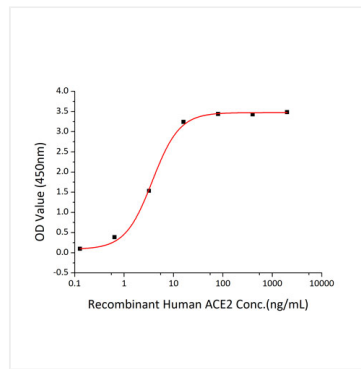
[www.abclonal.com](http://www.abclonal.com)

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

## 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 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.