Leader in Biomolecular Solutions for Life Science

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

**Catalog No.: RP01283LQ** Recombinant 5 Publications

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| SARS-CoV-2 | 43740568 | 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 | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined 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

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## 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.

**Storage**
Store at -70℃. This product is stable at ≤ -70℃ 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.
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**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

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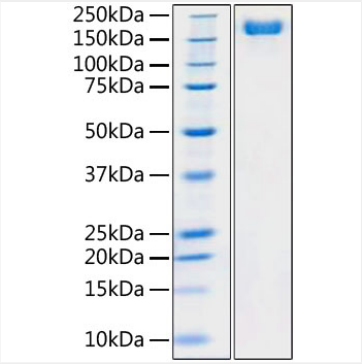
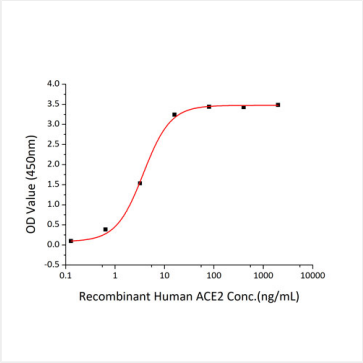
## Validation Data




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

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For research use only. Not for therapeutic or diagnostic purposes.
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