

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

Catalog No.: RP01293LQ Recombinant

# **Sequence Information**

Gene ID **Swiss Prot Species** 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; Sglycoprotein Subunit1 RBD Protein

## **Product Information**

Source	
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**Purification** 

HFK293 cells ≥ 95 % as

determined by SDS-PAGE.

## Calculated MW Observed MW

133.52 kDa 80, 110, 250 kDa

## **Endotoxin**

< 1 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 Spike S1+S2 ECD(S-ECD)(D614G) Protein 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 (100µL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-4.55 ng/mL.

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -70°C. This product is stable at  $\leq$  -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.

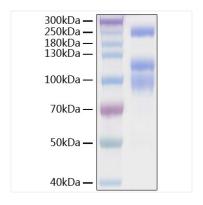
### **Operational Notes**

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

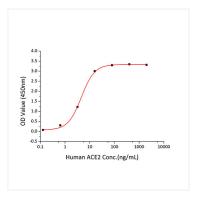
# Contact

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# **Validation Data**



Recombinant SARS-CoV-2 Spike S1+S2 ECD(S-ECD)(D614G) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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 0.15-4.55ng/mL.