

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

Catalog No.: RP01291LQ 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

Purification

HEK293 cells

≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

133.52 kDa

180-200 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 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.

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.

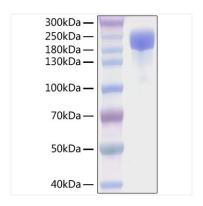
Operational Notes

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

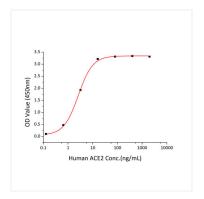
Contact

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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 0.15-2.58 ng/mL.