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

Catalog No.: RP01291LQ

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Sequence Information

Species	Gene ID
SARS-CoV-2	43740568

Swiss Prot	Tags
P0DTC2	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
133.52 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.

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

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70℃

Operational Notes

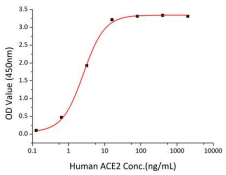
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

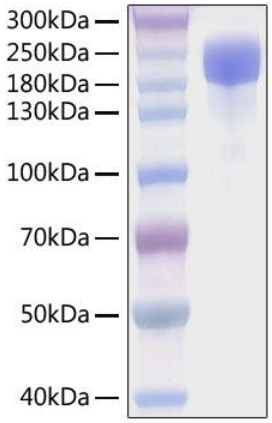
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Validation Data



Immobilized recombinant SARS-CoV-2 Spike S1+S2 ECD at 2μg/mL (100 μL/well) can bind recombinant Human ACE2 with a linear range of 0.15-2.58 ng/mL.



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