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Recombinant SARS-CoV-2 Envelope Protein

Catalog No.: RP01263LQ Recombinant 10 Publications

Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740570	

Tags
N-His&Avi

Synonyms
2019-nCoV E protein;2019-nCoV sM protein;Envelope protein;Env polyprotein;Envelope glycoprotein;env;COVID-19;E

Product Information

Source
E. coli

Purification
> 95% by SDS-PAGE.

Calculated MW
11.02 kDa

Observed MW
12 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 20mM Tris,250mM NaCl,0.5%TritonX-100,pH 8.0.Contact us for customized product form or formulation.

Reconstitution

Background

Basic Information

Description
Recombinant SARS-CoV-2(2019-nCoV) Envelope Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Val75) of SARS-COV-2(2019-nCoV) Envelope (Accession #QHD43418.1) fused with an initial Met,a 6×His,Avi tag at the N-terminus.

Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Envelope at 2 μg/mL (100 μL/well) can bind Recombinant SARS-CoV-2 Nucleocapsid with a linear range of 1.2-41.1 ng/mL.

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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Contact

400-999-6126

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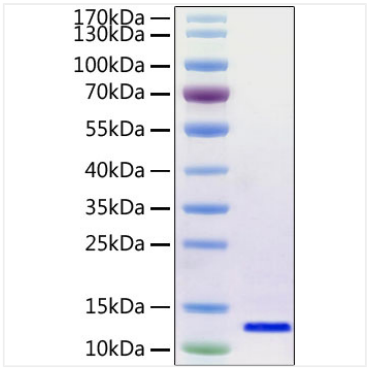
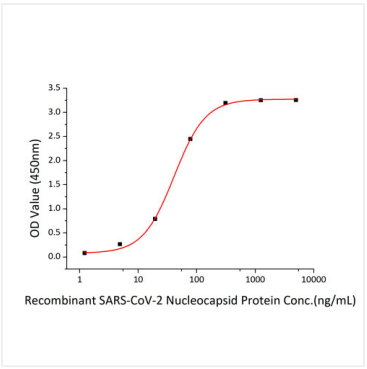
Validation Data



Recombinant SARS-CoV-2 Envelope Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 12 kDa.



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