

Recombinant SARS-CoV-2 Envelope Protein

Catalog No.: RP01263LQ **Recombinant** **9 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	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

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

This product is stable at ≤ -70°C for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

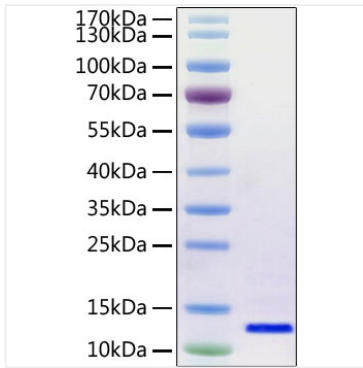
Contact

 | 400-999-6126

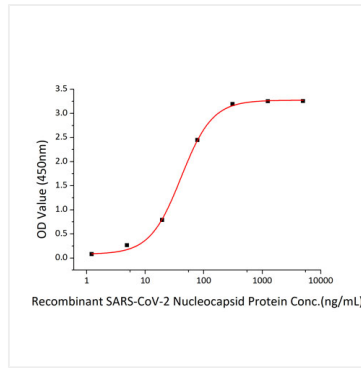
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Validation Data



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



Immobilized Recombinant SARS-CoV-2 Envelope at 2 μ g/mL (100 μ L/well) can bind Recombinant SARS-CoV-2 Nucleocapsid with a linear range of 1.2-41.1 ng/mL.