

Recombinant SARS-CoV-2 Envelope Protein

Catalog No.: RP01263LQ

Sequence Information

Species **Gene ID**
SARS-CoV-2 43740570

Swiss Prot **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**
E. coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
11.02 kDa 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.

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.

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°C

Operational Notes

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

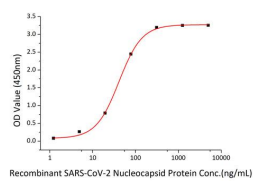
Contact

☎ | 400-999-6126

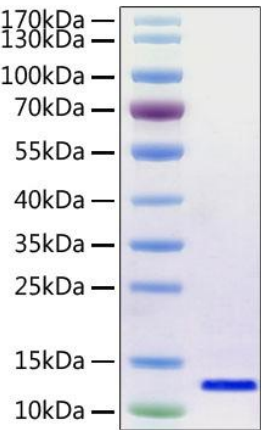
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Validation Data



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



Recombinant SARS-CoV-2 Envelope Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.