

Recombinant SARS-CoV-2 Envelope Protein

Catalog No.: RP01263LQ Recombinant 12 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

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.

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.

Product Information

Source

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

Calculated MW

11.02 kDa

Observed MW

12 kDa

Endotoxin

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

Formulation

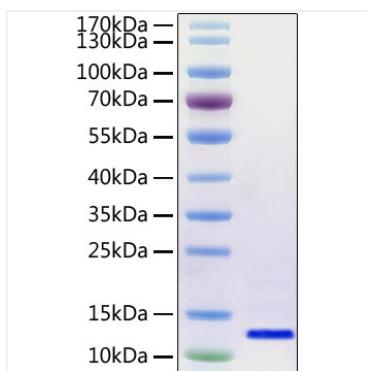
Supplied as a 0.22 µm filtered solution in 20mM Tris,250mM NaCl,0.5%TritonX-100,pH 8.0.Contact us for customized product form or formulation.

Reconstitution

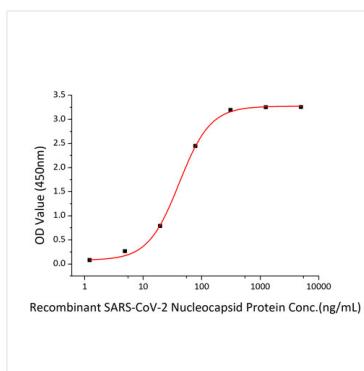
Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Validation Data



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



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.