

Recombinant SARS-CoV-2 envelope Protein with His and Avi tag

Catalog No.: RP01263 **Recombinant** **4 Publications**

Sequence Information

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

Tags

N-6×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**
11.4kDa

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 2μg/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 -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

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