ATAGENIX LABORATORIES

Catalog Number:ATEP02466COV

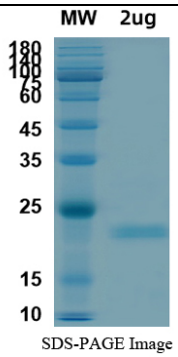
Recombinant 2019-nCoV E protein

Product Details

Summary

Catalog#	ATEP02466COV
description	Recombinant SARS-CoV-2 E protein is produced by E.coli expression system and the target gene encoding Met1-Val75 is expressed with N-His-sumo Tag
Expression system	E.coli
Species	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Accession #	QHD43418.1
Alternative names	2019-nCoV E protein,2019-nCoV sM protein
Predicted Molecular Mass	21.04kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information
Formulation	Supplied as solution form in PBS, pH7.4/ Supplied as lyophilized from PBS, pH7.4
Shipping	In general, proteins are shipped out with blue ice unless customers require otherwise.
Stability &Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Reconstitution	Reconstitute in sterile water for a stock solution.
Application	Immunogen

SDS-PAGE image



SDS-PAGE Image

Background

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Coronavirus envelope (E) proteins are short (100 residues) polypeptides that contain at least one transmembrane (TM) domain and a cluster of 2-3 juxtamembrane cysteines. These proteins are involved in viral morphogenesis and tropism, and their absence leads in some cases to aberrant virions, or to viral attenuation. In common to other viroporins, coronavirus envelope proteins increase membrane permeability to ions, plays a central role in virus morphogenesis and assembly. Acts as a viroporin and self-assembles in host membranes forming pentameric protein-lipid pores that allow ion transport. Also plays a role in the induction of apoptosis. Activates the host NLRP3 inflammasome, leading to IL-1beta overproduction.

Product performance

Form	Recombinant 2019-nCoV E protein

Note

For research use only.