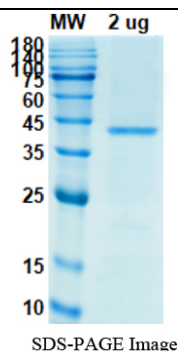


## Product Details

### Summary

Catalog#	ATEP02447COV
description	Recombinant SARS-CoV-2 S&M&E fusion is produced by E.coli expression system and the target gene encoding Met1-Tyr265 & Met1-Leu102 & Met1-Val75 is expressed with N-His Tag
Expression system	E.coli
Species	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Accession #	S(QHD43416.1) &M( QHD43419.1)&E( QHD43418.1)
Alternative names	Spike glycoprotein,Membrane protein,Envelope small membrane protein, E protein
Predicted Molecular Mass	45.56kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information.
Formulation	Supplied as solution form in PBS, pH7.5/ Supplied as lyophilized from PBS, pH7.5
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	Please refer to the instraction in the hard copy of COA.
Application	Immunogen

### SDS-PAGE image



### Background

## Recombinant 2019-nCoV S +M +E protein

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

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**Form**

Recombinant 2019-nCoV S +M +E protein

### Note

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For research use only.

