

COVID 19 E Coronavirus Recombinant Protein | COVID-19 recombinant protein

2019-nCoV E protein; 2019-nCoV sM protein

CATALOG # AAA27952	HOST E.coli	APPLICATIONS Immunogen, Calibrator, Standard
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PRODUCT SYNONYMS

COVID 19 E Coronavirus; 2019-nCoV E protein; 2019-nCoV sM protein; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; sM; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	Purity: Greater than 85% as determined by reducing SDS-PAGE. Purification: Affinity purification chromatography.
Form/Format	Supplied as a 0.2 uM filtered solution of 20mM Tris-HCl, 200mM NaCl, pH 8.0
Applicable Applications for COVID-19 recombinant protein	Immunogen, Calibrator, Standard
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Short Term: -20°C Long Term: -80°C

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Description: Recombinant 2019-nCoV Envelope Protein is produced by our E.coli expression system and the target gene encoding Met1-Val75 is expressed with a BBP, 6His tag at the N-terminus. Background: 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 Categories/Family for COVID-19 recombinant protein	Infectious Diseases

NCBI AND UNIPROT INFORMATION

Molecular Weight	Mol Mass: 27.5kDa AP Mol Mass: 22-25kDa, reducing conditions
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/covid-19-e-coronavirus-recombinant-protein-e-coli-immunogen-calibrator-standard/27952>