

Recombinant Coronavirus Envelope Protein (SARS-CoV ENV;1-76)

CATALOG NO: P1503-10 10 µg
P1503-50 50 µg

ALTERNATE NAMES: Envelope small membrane protein, E protein, sM protein

MOL. WT. 34 kDa

SOURCE: *E. coli*

PURITY: >95%

FORM: Liquid

FORMULATION: 50 mM Tris-HCl, 60 mM NaCl with 50% glycerol

STORAGE CONDITIONS: Store at 2-8°C for short term (≤ 1 week). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing.

DESCRIPTION: Coronaviruses (CoV) are a large group of enveloped positive-sense RNA viruses. Envelope protein plays a central role in virus morphogenesis and assembly. It acts as a viroporin and self-assembles in host membranes forming pentameric protein-lipid pores that allow ion transport. It also plays a role in the induction of apoptosis, activates the host NLRP3 inflammasome, leading to IL-1beta overproduction.

AMINO ACID SEQUENCE: aa 1-76

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- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 1-49, 192-220) (P1511)
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- Recombinant Coronavirus Spike Protein (SARS-CoV S1; 12-53, 90-115, 171-203) (P1515)
- Recombinant Coronavirus Spike Protein (SARS-CoV S1; 1-53, 90-115, 171-205, His tag) (P1516)
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