

# Recombinant Coronavirus Envelope Protein (SARS-CoV)

**CATALOG NO:** P1534-10 10 µg  
P1534-50 50 µg

**SOURCE:** E. coli

**PURITY:** >90%

**FORM:** Liquid

**FORMULATION:** In 10 mM Phosphate Buffered Saline, pH 7.2

**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:** Peptide composed of amino acids 1-76 of envelope protein.

## RELATED PRODUCTS:

- Recombinant Coronavirus Matrix Protein (SARS-CoV; 182-216) (P1504)
- Recombinant Coronavirus Envelope Protein (SARS-CoV ENV;1-76) (P1503)
- Recombinant Coronavirus Nucleoprotein (CoV-NP 229E) (P1506)
- Recombinant Coronavirus Nucleoprotein (CoV-NP-NL63) (P1507)
- Recombinant Coronavirus Membrane Protein (SARS-CoV) (P1505)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 340-390) (P1508)

***FOR RESEARCH USE ONLY! Not to be used on humans.***