

## SARS Envelope (1-76) - Purified

**Catalog No.:** AR10692PU-S

**Quantity:** 0.1 mg

**Concentration:** 1.0 mg/ml

**Background:** SARS Coronavirus is an enveloped virus containing three outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. Accordingly, S-protein plays an important role in virus infection cycle and is the primary target of neutralizing antibodies.

**Source:** E. coli

**Format:** **Purity:** Protein is >95.0% pure as determined by 10.0% PAGE (coomassie staining).  
**Purification Method:** Sepharose-Derived Purification.  
**Buffer System:** 50mM Tris-HCl, 60mM NaCl, 50% Glycerol

**Applications:** Antigen in ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Description:** The *E.coli* derived 43 kDa recombinant protein contains the N-terminus Envelope protein 1-76 amino acids immunodominant regions.

**Specificity:** Immunoreactive with sera of SARS-infected individuals.

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.