



SARS Core (1-49,192-220 a.a.)

**Introduction:**

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.

**Description:**

The E.Coli derived 32 kDa recombinant protein contains the Nucleocapsid core protein 1-49 amino acids immunodominant regions.

**Purification Method:**

SARS Core protein was purified by proprietary chromatographic technique.

**Purity:**

SARS Core protein is >95% pure as determined by 10% PAGE (coomassie staining).

**Formulation:**

50mM Tris-HCl, 60mM NaCl and 50% glycerol.

**Storage:**

SARS Core protein is shipped at ambient temperature.  
Upon arrival, store at -20°C.

**Stability:**

Five year frozen, 6 month at +4°C.

**Specificity:**

SARS Core protein is Immunoreactive with sera of SARS-infected individuals.

**Applications:**

SARS Core antigen is suitable for ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems.

**Usage:**

ProSpec's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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