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Recombinant SARS-Associated Coronavirus Spike Mosaic S (C) (aa 1051-1076, 1121-1154, 1162-1190)

Catalog No.	CSI13608	**Quantity:**	100 µg

Alternate Names: SARS-ACSMS(C)

Description: SARS-ACSMS(C) contains the C-terminal t section of the Spike protein immunodominant fragments, amino acids: 1051-1076, 1121-1154, 1162-1190.

The spike (S) glycoprotein of coronaviruses mediates viral entry into host cells. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. It is a type 1 viral fusion protein that characteristically contains two heptad repeat regions, denoted HR-N and HR-C, that form coiled-coil structures within the ectodomain of the protein. Previous studies have shown that the two heptad repeat regions can undergo a conformational change from their native state to a 6-helix bundle (trimer of dimers), which mediates fusion of viral and host cell membranes.

Specificity: Immunoreactive with sera of SARS infected individuals.

Source: *E. coli*

Molecular Weight: 37 kDa

Formulation: 25 mM Tris-HCl, 0.4% sarcosyl, 0.25% Triton X-100 and 50% glycerol

Purity: > 95% by SDS-PAGE

Purification: SARS-ACSM is purified by proprietary chromatographic techniques.

Applications: Recombinant SARS-ACSM Antigen may be used in ELISA and Western blots, excellent for detection of SARS with minimal specificity problems.

Storage & Stability: Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. **Avoid freeze-thaw cycles.**

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