cellsciences.com

Recombinant SARS-Associated Coronavirus Spike Mosaic S (M) (aa 408-470, 540-573)

Catalog No.	CSI13609	**Quantity:**	100 µg

Alternate Names: SARS-ACSMS(M)

Description: SARS-ACSMS(M) contains the middle section of the Spike protein immunodominant fragments, amino acids: 408-470, 540-573.

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: 38 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.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com