Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S2, S2') protein

Cat. No. Spike-205V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S2, S2') protein was expressed in E.coli. Mosaic protein contains C-terminal section of the Spike protein 1051-1076, 1121-1154, 1162-1190 amino acids immunodominant regions.
Species	SARS-CoV
Source	E.coli
ProteinLength	1051-1076;1121-1154;1162-1190 a.a.
Description	Spike protein S2: Mediates fusion of the virion and cellular membranes by acting as a class I viral fusion protein. Under the current model, the protein has at least three conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.Spike protein S2': Acts as a viral fusion peptide which is unmasked following S2 cleavage occurring upon virus endocytosis.
Form	Liquid. 25mM Tris-HCl, 0.4% sarcosyl, 0.25% Triton X-100 and 50% glycerol.
Molecular Mass	37 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by 10% PAGE (coomassie staining).
Applications	ELISA, Western blot.
Storage	Upon arrival, storeat below -18 centigrade.
Shipping	Dry Ice.
Warning	For Research Use Only.

GENE INFORMATION

Synonyms	sars2; E2; sars3a

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