

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	SARS-CoV
<b>Source</b>	E.coli
<b>ProteinLength</b>	1051-1076;1121-1154;1162-1190 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid. 25mM Tris-HCl, 0.4% sarcosyl, 0.25% Triton X-100 and 50% glycerol.
<b>Molecular Mass</b>	37 kDa

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>95% as determined by 10% PAGE (coomassie staining).
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<b>Applications</b>	ELISA, Western blot.
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<b>Storage</b>	Upon arrival, store at below -18 centigrade.
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<b>Shipping</b>	Dry Ice.
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<b>Warning</b>	For Research Use Only.
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## GENE INFORMATION

<b>Synonyms</b>	sars2; E2; sars3a
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