

# Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S2) protein

Cat. No. Spike-204V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S2) protein was expressed in E.coli. Mosaic protein contains the middle section of the Spike protein 408-470, 540-573 amino acids immunodominant regions.
<b>Species</b>	SARS-CoV
<b>Source</b>	E.coli
<b>ProteinLength</b>	408-470;540-573 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.
<b>Form</b>	Liquid. 25mM Tris-HCl, 0.4% sarcosyl, 0.25% Triton X-100 and 50% glycerol.
<b>Molecular Mass</b>	38 kDa
<b>Purity</b>	>95% as determined by 10% PAGE (coomassie staining).

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<b>Applications</b>	ELISA, Western blot.
<b>Storage</b>	Upon arrival, storeat below -18 centigrade.
<b>Shipping</b>	Dry Ice.
<b>Warning</b>	For Research Use Only.

## GENE INFORMATION

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