

# Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S1) protein

Cat. No. Spike-203V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S1) protein was expressed in E.coli. It contains the N-terminal section of the Spike protein 12-53, 90-115, 171-203 amino acids immunodominant regions.
<b>Species</b>	SARS-CoV
<b>Source</b>	E.coli
<b>ProteinLength</b>	12-53;90-115;171-203 a.a.
<b>Description</b>	Spike protein S1: Attaches the virion to the cell membrane by interacting with host receptor, initiating the infection (By similarity). Binding to human ACE2 and CLEC4M/DC-SIGNR receptors and internalization of the virus into the endosomes of the host cell induces conformational changes in the S glycoprotein. Proteolysis by cathepsin CTSL may unmask the fusion peptide of S2 and activate membranes fusion within endosomes.
<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).
<b>Applications</b>	ELISA, Western blot.

 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



**Storage** Upon arrival, store at below -18 centigrade.

**Shipping** Dry Ice.

**Warning** For Research Use Only.

## GENE INFORMATION

**Synonyms** sars2; E2; sars3a

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