

Recombinant SARS Coronavirus Spike Glycoprotein Mosaic (S1) protein

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

SPECIFICATION

Product Overview	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.
Species	SARS-CoV
Source	E.coli
ProteinLength	12-53;90-115;171-203 a.a.
Description	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.
Form	Liquid. 25mM Tris-HCl, 0.4% sarcosyl, 0.25% Triton X-100 and 50% glycerol.
Molecular Mass	38 kDa
Purity	>95% as determined by 10% PAGE (Coomassie staining).
Applications	ELISA, Western blot.

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Storage	Upon arrival, store at below -18 centigrade.
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Shipping	Dry Ice.
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Warning	For Research Use Only.
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GENE INFORMATION

Synonyms	sars2; E2; sars3a
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