

Active Recombinant SARS Spike Protein S1 Domain, Fc-tagged

Cat. No. Spike-43V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS Spike Protein S1 Domain (19-713aa) was fused to Fc-tag and expressed using recombinant baculoviruses and purified from the infected cell supernatant by protein A affinity chromatography.
Species	SARS-CoV
Source	Baculovirus
ProteinLength	19-713aa
Description	Spike protein S1 attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. 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	Freeze-dried in PBS without preservative.
Bio-activity	Purified SCoV S1-Fc is active in binding the Vero E6 cell surface and recombinant ACE2.
Purity	> 90%
Storage	Desiccated at +2 to +8 centigrade. Reconstituted product should be stored in aliquots

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at –20 centigrade.

Reconstitution

Reconstitute with sterile double distilled water. Recommended final concentration 1 mg/ml.

GENE INFORMATION**Gene Name**[S](#)**Official Symbol**[S](#)**Synonyms**[E2](#)**Gene ID**[1489668](#)**Protein Refseq**[NP_828851.1](#)**UniProt ID**[P59594](#) 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