



PRODUCT DATASHEET

Catalog No:	BS-6100
Pack Size	1mg
Product Name:	SARS Spike Protein (S1 Domain)
Description:	Recombinant SARS CoV Spike protein S1 domain fused to the Fc region of human Ig essentially as described by Li W et al., Nature 426:450-4 (2003). The polypeptide contains amino acids 19-713 of the spike protein. The S1-Fc fusion protein expressed using recombinant baculoviruses and purified from the infected cell supernatant by protein A affinity chromatography.
Species:	2019-nCoV, SARS-CoV-2
Sequence:	Recombinant SARS CoV Spike protein S1 domain fused to the Fc region of human Ig essentially as described by Li W et al., Nature 426:450-4 (2003). The polypeptide contains amino acids 19-713 of the spike protein.
Accession No.:	YP_009724390.1
Tag:	
Host:	Baculovirus Insect Cells
Applications:	Purified SCoV S1-Fc is active in binding the Vero E6 cell surface and recombinant ACE2.
Purity:	>90%
Predicted Molecular Mass:	

Formulation:	Freeze-dried in PBS without preservative.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (<1.0 EU/μg purified protein) (LAL test)
Shipping, Storage and Stability:	Desiccated at +2 to +8°C. Reconstituted product should be stored in aliquots at -20°C.
Background:	The coronavirus Spike protein (S) is a large oligomeric transmembrane protein that mediates coronavirus entry into host cells. It contains S1 and S2 two subunits. Spike S1 mainly contains a receptor binding domain (RBD) that recognizes a variety of host cell surface receptors. S2 contains basic elements responsible for the membrane fusion. The coronavirus first binds to a receptor on the host cell surface through Spike S1 subunit, and then fuses viral and host membranes through Spike S2 subunit.

FOR RESEARCH LABORATORY TEST USE ONLY!