Recombinant SARS-CoV-2 S Protein, Fc/Avi-tagged

Cat. No. S-002S **Lot. No.** (See product label)

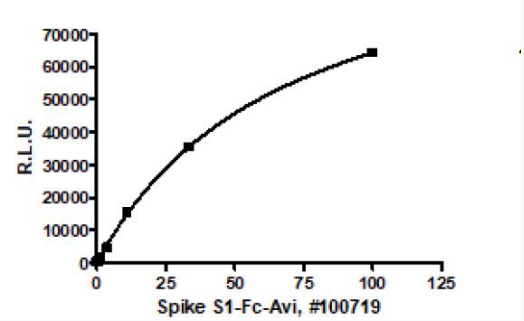
SPECIFICATION

Product Overview	Severe acute respiratory Coronavirus 2 Spike Glycoprotein S1 (SARS-CoV-2 Spike S1), a.a. 16-685, fused at the C-terminus of the Fc portion of human IgG1, with a C-terminal Avi-tag™, expressed in a HEK293 expression system.
Species	SARS-CoV-2
Source	HEK293
ProteinLength	16-685
Description	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.
Molecular Mass	104 kDa
Purity	≥ 90%
Applications	Enzyme kinetics, screening inhibitors, and selectivity profiling
Stability	≥ 6 months
Storage	Store at -80 centigrade

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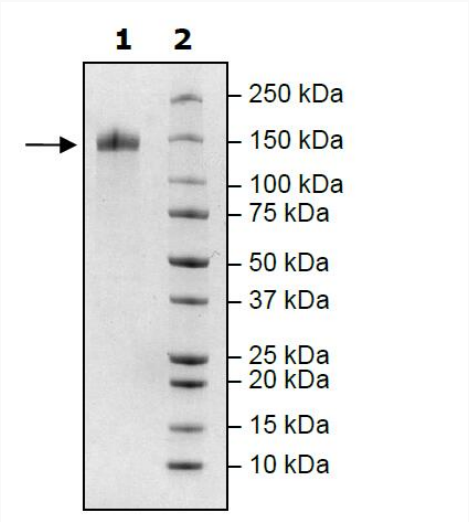
Storage Buffer	8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
Warning	Avoid freeze/thaw cycles

GENE INFORMATION

Gene Name	S spike glycoprotein [SARS coronavirus Tor2]
Official Symbol	S
Synonyms	S; spike glycoprotein; E2; spike glycoprotein
Gene ID	1489668
UniProt ID	P59594
ACE2: SARS-CoV-2 Inhibition	

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SDS-PAGE of Coomassie staining



Lane 1: 4 μg SARS-CoV-2 S1; Lane 1: Protein Marker

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