

Recombinant SARS-CoV-2 Trimeric Spike Protein (Ser13-Pro1213), C-His tagged, Animal-free, Carrier-free

Cat. No. S-223S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 Trimeric Spike Protein (Ser13-Pro1213) with C-His tag was expressed in HEK293 and Animal-free as well as Carrier-free.
Species	SARS-CoV-2
Source	HEK293
ProteinLength	Ser13-Pro1213
Description	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), is a 2019 novel coronavirus, that causes pandemic disease globally. SARS-CoV-2 is a single-stranded RNA virus that belongs to the Coronaviridae family. Structurally, the virus harbors sixteen non-structural proteins (NSP1-NSP16), four structural proteins (spike, membrane, envelope, and nucleocapsid), and nine accessory proteins. The spike protein is a 1273-amino-acids transmembrane, homotrimeric class I fusion protein that contains two functional subunits, receptor-binding subunit S1 (amino acids 14-685) and membrane-fusion subunit S2 (amino acids 686-1273). The trimeric spike protein on the surface of the virion is responsible for initiating viral infection through binding to the angiotensin-converting enzyme 2 (ACE2) receptor on host cells.
Form	Liquid
Molecular Mass	The protein has a calculated MW of 137.94 kDa. The protein migrates above 180 kDa under reducing condition (SDS-PAGE analysis).

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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -80 centigrade for long-term storage under sterile conditions. Avoid repeated free-thaw cycles.
Storage Buffer	Phosphate buffered saline, pH 7.4.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -80 centigrade or lower for long term storage.

GENE INFORMATION

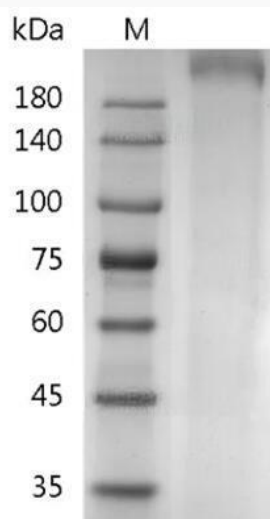
Gene Name	S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	S
Synonyms	S; surface glycoprotein; spike glycoprotein; structural protein; spike protein
Gene ID	43740568
Protein Refseq	YP_009724390
UniProt ID	P0DTC2

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**SDS-PAGE analysis
of recombinant
SARS-CoV-2 trimeric
spike protein.**



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