

Recombinant SARS-CoV-1 Spike Trimer (S1+S2), C-His-tagged

Cat. No. Spike-03S Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant SARS-CoV-1 Spike protein in its homotrimeric form, containing S1+S2 subunits and encompassing amino acids 1-1195 (full-length). This protein contains mutations 664RLR665>A, K968P and V969P. The construct also contains a C-terminal His tag (6xHis). Note that the expected MW of the S1+S2 monomer is 136 kDa but migrates at a higher MW in SDS-PAGE due to glycosylation. The recombinant protein was affinity purified.

Species SARS-CoV-1

Source HEK293

Description May down-regulate host tetherin (BST2) by lysosomal degradation, thereby counteracting its antiviral activity.

Form Aqueous buffer solution.

Molecular Mass 136 kDa + glycans

AA Sequence 1-1195(full length)

Purity ≥90%

Usage Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.

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Storage	At least 6 months at -80 centigrade.
Storage Buffer	8 mM phosphate pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.
Shipping	-80 centigrade
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	S spike glycoprotein [SARS coronavirus Tor2]
Official Symbol	S
Synonyms	S; spike glycoprotein; E2
Gene ID	1489668
Protein Refseq	YP_009825051
UniProt ID	P59594

SDS-PAGE

4-20% SDS-Page Coomassie Staining

