



SARS-CoV-2 (COVID-19) Spike Glycoprotein-S2, Recombinant protein

Cat. No.: 39-112



Ψ Specifications

SPECIES:	SARS-CoV-2 (COVID-19, 2019-nCoV) Spike Protein
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	The HEK293 derived recombinant protein contains the Novel Coronavirus 2019-nCoV Spike Glycoprotein S1, Wuhan-Hu-1 strain, amino acids 685-1211 fused to Fc tag at C-terminal.
FUSION TAG:	Fc tag

Ψ Properties

PURITY:	>85% pure as determined SDS-PAGE. Purified by Protein-G chromatographic technique.
PHYSICAL STATE:	Liquid
BUFFER:	nCoV-S2 protein solution is supplied in DPBS.
STORAGE CONDITIONS:	Store in working aliquots at -20 °C. Avoid freeze/thaw cycles.

Ψ Background and References

BACKGROUND:

A human infecting coronavirus (viral pneumonia) called 2019 novel coronavirus, 2019-nCoV was found in the fish market at the city of Wuhan, Hubei province of China on December 2019. The 2019-nCoV shares an 87% identity to the 2 bat-derived severe acute respiratory syndrome 2018 SARS-CoV-2 located in Zhoushan of eastern China. 2019-nCoV has an analogous receptor-BD-structure to that of 2018 SARS-CoV, even though there is a.a. diversity so thus the 2019-nCoV might bind to ACE2 receptor protein (angiotensin-converting enzyme 2) in humans. While bats are possibly the host of 2019-nCoV, researchers suspect that animal from the ocean sold at the seafood market was an intermediate host. RSCU analysis proposes that the 2019-nCoV is a recombinant within the viral spike glycoprotein between the bat coronavirus and an unknown coronavirus.

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