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32-13557: CoV-2-Spike (1-1211)

Alternative Name :	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) Â 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.

Description

Source: CHO
Sterile Filtered clear solution.
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) Â 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.
The CHO derived recombinant protein contains the Coronavirus 2019-Spike Full-Length protein, Wuhan-Hu-1 strain, amino acids 1-1211 having a Mw of 134 kDa fused to His tag at C-terminal. The furin cleavage site (682- 685 a.a.) has been mutated from RRAR to SRAS and the transmembrane domain & intravirion part was replaced with a glycine-serine linker +Â His-tag

Product Info

Amount :	50 µg / 150 µg
Purification :	Protein is >95% pure as determined SDS-PAGE.
Content :	CoV-2 spike full length protein solution is supplied in DPBS.
Storage condition :	CoV-2 Spike Protein is shipped on ice packs. Upon arrival, Store at -20°C.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.