

32-13558: CoV-2 N (1-419)

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) Å 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: E.Coli

Sterile Filtered White lyophilized (freeze-dried) powder.

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The E.Colie derived recombinant protein contains the Coronavirus 2019 CoV-2 Nucleocapsid Phosphoprotein, Wuhan-Hu-1 strain, amino acids (1-419) having a Mw of 46.4 kDa and fused to 6xHis tag at C-terminal.

Product Info

Amount : 100 µg / 0.5 mg

Purification : Protein is >95% pure as determined SDS-PAGE.

Content : CoV-2 Nucleocapsid phosphoprotein was lyophilized from 20mM Na-carbonate buffer pH-9.2
It is recommended to reconstitute the lyophilized CoV-2 protein in sterile 18M Omega -cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage condition : Cov-2 Nucleocapsid phosphoprotein is shipped lyophilized at ambient temp. Although stable at room temperature for 2 weeks, should be stored desiccated below -18°C. Upon reconstitution COV2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.