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- Mindermengenzuschlag
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Recombinant Coronavirus 2019 Nucleocapsid

CLSARS013
CLSARS013-2
CLSARS013-3

Introduction: 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.

Description: The E.Coli derived recombinant protein contains the Coronavirus 2019 full-length nucleocapsid: Gene bank- MN908947, fused to 6xHis tag at C-terminal and having a Mw. Of 48 kDa as appears on SDS-PAGE.

Source: *Escherichia coli*.

Presentation: 50 µg (CLSARS013), 250 µg (CLSARS013-2), or 1 mg (CLSARS013-3), sterile filtered clear solution. CoV 2019 protein solution is supplied in PBS and 25mM K₂CO₃.

Stability: CoV 2019 Nucleocapsid protein is shipped on ice packs. Upon arrival, Store at -20°C.

Purity: CoV 2019 Nucleocapsid protein is >95% pure as determined by SDS-PAGE.

AA Sequence:

MSDNGPQNQRNAPRITFGGSPDSTGSNQNGERSGARSKQRRPQGLPNNTASWFTALTQHGKEDLKFPGRGQ
GVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSRWYFYLLGTGPEAGLPYGANKDGIWVATEGALN
TPKDHIGTRNPANNAIVLQLPQGTTLPKGFYAEGRGGSQASSRSSRSRNSSRNSTPGSSRGTPARMAG
NGGDAALALLLLDRLNQLESKMSGKGQQQGGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGRRGPE
QTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAIKLDDKDPNFKDQVI
LLNKHIDAYKTFPPTPEPKKDKKKKADETQALPQRQKKQQTVTLLPAADLDDFSKQLQSMSSADSTQA

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