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32-6279: Sars-CoV-2-S1 Protein (RBD) (319-541 aa) Fc Tag

Description

Source: HEK293 cells. 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.

Product Info

Amount :	10 Î¼g / 100 µg
Purification :	Protein is >95% pure as determined SDS-PAGE.
Content :	CoV-S1 RBD protein is lyophilized from 1x PBS pH-7.4 + 5% trehalose.
Storage condition :	Lyophilized Cov-2 S1 Glycoprotein RBD although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CoV2 Spike protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	The HEK293 derived recombinant protein contains the Coronavirus 2019 Spike Glycoprotein S1 Receptor Binding Domain [RBD], Wuhan-Hu-1 strain, amino acids 319-541 fused to Fc tag at C-terminal.

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