

32-6288: Sars-Cov-2 Spike Glycoprotein-S1 Receptor Binding Domain His tag C-Term

Description

Source: HEK293 Cells.

PHYSICAL APPEARANCE: Sterile Filtered White lyophilized (freeze-dried) powder.

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 :	2 µg / 10 µg
Purification :	Protein is >95% pure as determined SDS-PAGE.
Content :	CoV-2 S1 RBD protein is supplied in PBS pH-7.4 and 10% treaholse.
Storage condition :	Lyophilized Cov-2 RBD protein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CoV2 RBD 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).
Amino Acid :	The HEK293 derived recombinant protein contains the Coronavirus 2019 Spike Glycoprotein S1 Receptor Binding Domain [RBD], Wuhan-Hu-1 strain, amino acids 319-537 fused to His tag at C-terminal.