

## 32-6267: Coronavirus (COVID-19) Spike Protein (1000-1200 a.a.)

### Description

SOURCE Escherichia Coli

PHYSICAL APPEARANCE: Sterile Filtered clear solution

The E.Coli derived recombinant protein contains the Coronavirus 2019 Spike (1000-1200 a.a.) immunodominant regions, fused to His tag at C-terminal. 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 50µg / 0.25mg   |
| <b>Purification :</b>      | CoV 2019 Spike Protein is >90% pure as determined SDS-PAGE.   |
| <b>Content :</b>           | CoV 2019 Spike Protein 1mg/ml solution is supplied in 1x PBS.   |
| <b>Storage condition :</b> | Store at -20°C.   |
| <b>Amino Acid :</b>        | The E.Coli derived recombinant protein contains the Coronavirus 2019 Spike (1000-1200 a.a.) immunodominant regions, fused to His tag at C-terminal. |