

SARS-CoV-2 Spike Glycoprotein-S2 (nCoV-S2, His-Tag)

Synonyms: Novel Coronavirus 2019 Glycoprotein-S2, recombinant

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
50 µg	2106.V20.050		
150 µg	2106.V20.150		
250 µg	2106.V20.250		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Spike Glycoprotein S2, derived from Insect Cells (Sf9) cells is a glycosylated protein consisting of Amino acid 685-1211, fused to His-Tag at the C-terminal. Its derived from the Wuhan-Hu-1 strain. SARS-CoV-2, formerly termed 2019-nCoV, causes the pandemic COVID-19 disease, a viral pneumonia. The production in HEK293 cells ensures the most authentic post translational modifications.

The SARS-CoV-2 shares an 87% identity to two bat-derived severe acute respiratory syndrome 2018 (SARS-like) coronaviruses found in Zhoushan of eastern China. It is more distant from SARS-CoV (79%) identity and MERS-CoV (50%) identity. SARS-CoV-2 has an analogous receptor-binding domain-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 SARS-CoV, researchers suspect that animal from the ocean sold at the seafood market was an intermediate host. RSCU analysis proposes that the SARS-CoV-2 is a recombinant within the viral spike glycoprotein between the bat coronavirus and an unknown coronavirus.

- **Source** Insect cells
- **Purity** ≥ 85 % (SDS-PAGE)
- **Stabilizer** None
- **Buffer** DPBS*
- **Physical state** Sterile filtered, liquid

Stability

The protein is stable for at least 2 weeks at 0°C - 4°C, and therefore can be shipped on ice packs. Upon arrival it should be stored at -20 °C. **Please avoid repeated freeze-thaw cycles.**

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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