
Product Data Sheet

Product Name: CoV-2 Spike E-Mosaic
 Cat. No.: GP26404
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Amino Acid Sequence	S-part (20-210 a.a.)RTQLPPAYTN SFTRGVYYPD KVFRSSVLHS TQDLFLPFFS NVTWFHAIHV SGTNGTKRFD NPVLPFNDGV YFASTEKSNI IRGWIFGTTL DSKTQSLIV NNATNVVIKV CEFQFCNDPF LGVYYHKNNK SWMESEFRVY SSANNCTFEY VSQPFLMDLE GKQGNFKNLR EFVFKNIDGY FKIYSKHTPIE-part (51-75 a.a.)AYCCNIVNVS LVKPSFYVYS RVKNLNSSRV PDLLVM part (100- 222 a.a.)RLFARTRSMW SFNPETNILL NVPLHGTILT RPLLESELVI GAVILRGHLR IAGHHLGRCD IKDLPKEITV ATSRTLSTYYK LGASQRVAGD SGFAAYSRYR IGNYKLNTDH SSSSDNIALL VQ		
Formulation	CoV 2019 Spike E-Mosaic Protein 1mg/ml solution is supplied in 1x PBS.		

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.

Stability

CoV 2019 Spike E-Mosaic Protein is shipped on ice packs. Upon arrival, Store at -20°C.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

The E.Coli derived recombinant protein contains the Coronavirus 2019 spike Envelope Mosaic immunodominant regions having a Mwq of 40.5 kDa, fused to 6xHis tag at C-terminal.

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