9051 Mira Mesa Blvd, #910094
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CoV-2 Spike E-Mosaic

Coronavirus 2019 Spike E-Mosaic Recombinant
VAG0089

Product Overview

Name	CoV-2 Spike E-Mosaic

Description

Coronavirus 2019 Spike E-Mosaic Recombinant

Accession (Primary)	NC_045512.2

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

CoV 2019 Spike E-Mosaic Protein 1mg/ml solution is supplied in 1x PBS.

Stability

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

Purity

CoV 2019 Spike E-Mosaic Protein is >90% pure as determined SDS-PAGE.

Amino acid sequence

S-part (20-210 a.a.) RTQLPPAYTN SFTRGVYYPD KVFRSSVLHS TQDLFLPFFS NVTWFHAIHV SGTNGTKRFD NPVLPFNDGV YFASTEKSNI IRGWIFGTTL DSKTQSLLIV NNATNVVIKV CEFQFCNDPF LGVYYHKNNK SWMESEFRVY SSANNCTFEY VSQPFLMDLE GKQGNFKNLR EFVFKNIDGY FKIYSKHTPI E-part (51-75 a.a.) AYCCNIVNVS LVKPSFYVYS RVKNLNSSRV PDLLV M part (100-222 a.a.) RLFARTRSMW SFNPETNILL

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NVPLHGTILT RPLLESELVI GAVILRGHLR IAGHHLGRCD IKDLPKEITV ATSRTLSYYK LGASQRVAGD SGFAAYSRYR IGNYKLNTDH SSSSDNIALL VQ

Precautions

CoV-2 Spike E-Mosaic is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (NC_045512.2)