
Product Data Sheet

Product Name: CoV-2 Spike (300-600)
Cat. No.: GP26408
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Formulation	CoV 2019 Spike Receptor Binding Domain 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 Receptor Binding Domain Protein is shipped on ice packs. Upon arrival, Store at -20°C.

Background

The E.Coli derived recombinant protein contains the Coronavirus 2019 Spike Receptor Binding Domain (300-600 a.a.) immunodominant region, fused to 6xHis tag at C-terminal

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

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