Product Data Sheet

Product Name:	CoV-2 N (329 a.a.)
Cat. No.:	GP26422
Batch No.:	1

Product Data

Purity	>98%	Source	E.Coli.
Phycical Appearance	solid	Shipping Condition	withIcePacks
Formulation	CoV-2 Nucleocapsidprotein solution is supplied in 50mM Tris-HCl pH 8, 1M Urea, and 50% Glycerol.		

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-2 Spike Protein is shipped on ice packs. Upon arrival, Store at -20°C.

Background

The E.Coli derived recombinant protein contains the Coronavirus 2019 C-terminal region 329 a.a. from the Nucleocapsid protein and fused to GST-6xHis tag at N-terminal and having a Mw. of 63.5 kDa.

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