
Product Data Sheet

Product Name: CoV-2 Omicron
 Cat. No.: GP26424
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks

Amino Acid Sequence
 HMSDNGPQNN RNALRITFGG PSDSTGSNQN GEARSKQRRP QGLPNNTASW
 FTALTQHGKE DLKFPRGQGV PINTNSSPDD QIGYYRRATR RIRGGDGKMK
 ELSRWYFY LGTGPEAGLP YGANKDGIW VATEGALNTP KDHIGTRNPA
 NNAIVLQLP QGTTLPKGFY AEGSRGGSQA SSRSSRSRN SSRNSTPGSS
 KRTSPARMAG NGGDAALALL LLDRLNQLES KMSGKGQQQQ GQTVTKKSAA
 EASKKPRQRT ATKAYNVTQA FGRRGPEQTQ GNFGDQELIR QGTDYKHWPQ
 IAQFAPSASA FFGMSRIGME VTPSGTWLTY TGAIKLDDKD PNFKDQVILL
 NKHIDAYKTF PPTPKKDKK KKADETQALP QRQKKQQTVT LLPAADLDDF
 SKQLQQSMSS ADSTQA

Formulation
 CoV-2 Omicron protein solution (2.18mg/ml) is supplied in PBS and 25mM K₂CO₃.

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. On November 2021, WHO designated a variant of concern, named Omicron. Omicron has several mutations that may have an impact on how it behaves (how easily it spreads, the severity of illness).

Stability

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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Background

The E.Coli derived recombinant protein contains the Omicron Covid-19 full-length nucleoprotein, fused to 6xHis tag at N-terminal migrating at 48 kDa.

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