9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CoV-2 Omicron

Coronavirus 2019 Omicron Full Length Recombinant
VAG0074

Product Overview

Name	CoV-2 Omicron

Description

Coronavirus 2019 Omicron Full Length Recombinant

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).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

CoV-2 Omicron protein solution (2.18mg/ml) is supplied in PBS and 25mM K 2 CO 3.

Stability

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

Purity

Protein is >95% pure as determined SDS-PAGE.

Amino acid sequence

HMSDNGPQNQ RNALRITFGG PSDSTGSNQN GEARSKQRRP QGLPNNTASW FTALTQHGKE DLKFPRGQGV PINTNSSPDD QIGYYRRATR RIRGGDGKMK ELSPRWYFYY LGTGPEAGLP YGANKDGIIW VATEGALNTP KDHIGTRNPA NNAAIVLQLP QGTTLPKGFY AEGSRGGSQA SSRSSSRSRN SSRNSTPGSS KRTSPARMAG NGGDAALALL LLDRLNQLES KMSGKGQQQQ GQTVTKKSAA EASKKPRQKRT ATKAYNVTQA FGRRGPEQTQ GNFGDQELIR QGTDYKHWPQ IAQFAPSASA FFGMSRIGME VTPSGTWLTY TGAIKLDDKD PNFKDQVILL NKHIDAYKTF PPTEPKKDKK KKADETQALP QRQKKQQTVT LLPAADLDDF SKQLQQSMSS ADSTQA

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Precautions

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