

## 32-13826: CoV-2 Omicron

### Description

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Biological Activity: null

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).

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.

### Product Info

**Amount :** 0.25 mg / 50 µg

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

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

**Amino Acid :** HMSDNGPQNQ RNALRITFGG PSDSTGSNQN GEARSKQRRP QGLPNNTASW FTALTQHGKE  
DLKFPRGQGV PINTNSSPDD QIGYYRRATR RIRGGDGKMK ELSRWYFY LGTGPEAGLP YGANKDGIW  
VATEGALNTP KDHIGTRNPA NNAIIVLQLP QGTTLPKGFY AEGSRGGSQA SSRSSRSRN SSRNSTPGSS  
KRTSPARMAG NNGDAALALL LLDRLNQLES KMSGKGQQQ GQTVTKKSAA EASKKPRQKRT  
ATKAYNVTQA FGRRGPEQTQ GNFGDQELIR QGTDYKHWPQ IAQFAPSASA FFGMSRIGME  
VTPSGTWLTY TGAIKLDDKD PNFKDQVILL NKHIDAYKTF PPTPKKDKK KKADETQALP QRQKKQQTVT  
LLPAADLDDF SKQLQSMSS ADSTQA