InVivo BioTech Services GmbH
a BRUKER company

SARS-CoV-2 Nucleocapsid (N) Protein – Omicron (BA.1)_HEK

Description:

InVivo offers a recombinant form of the Nucleocapsid (N) protein from severe acute respiratory syndrome-related coronavirus (SARS-CoV-2), Wuhan-Hu-1-isolate (MN908947), which is produced under serum-free conditions in HEK-INV cells (InVivo proprietary optimized; human embryonic kidney, HEK293 cells).

NP-Omicron (BA.1) variant; containing mutations P13L, Δ31-33, R203K and G204R.

BA.1 is the most common Omicron sub lineage. The above mutations occur with a frequency of >75% (based on public data from https://outbreak.info/).

The construct contains full-length (residues 1 to 419) Nucleocapsid (N) protein (GenBank: QHD43423.2) and includes a C-terminal deca-histidine tag. The protein is purified using affinity chromatography (AC). Nucleocapsid (N) protein is capable of binding to nucleic acids (e.g., RNA).

Product-ID:	NP-Omicron (BA.1)_HEK
Expression System:	Mammalian; HEK
Protein Accession Number:	QHD43423.2
Amino Acids:	Met1–Ala419
Mutations:	P13L, Δ31-33, R203K, G204R.
Tag:	10 x His-Tag; C-terminal
Expected Molecular Weight:	47 kDa (*glycosylated form runs at 40-50 kDa in gel electrophoresis*)
Formulation:	Liquid, 100 mM Tris, 300 mM NaCl, pH 8.0
Concentration:	> 0.5 mg/ mL
Recommended storage temp:	< –15°C
Shipping condition:	on dry ice

The product is for research use or for further manufacturing only.

IVS CS-060.1