

## SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (*E.coli*)

**Cat# P0041**

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

### INFORMATION

**DESCRIPTION:** Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways.

The recombinant 2019-nCoV Nucleocapsid Protein (His tag) consists of 430 amino acids and predicts a molecular mass of 47.08 kDa.

**SOURCE:** *Escherichia Coli*.

**APPEARANCE:** Liquid in sterile PBS, pH7.4.

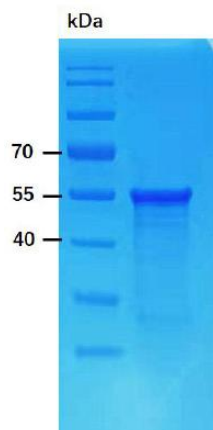
**PURITY:** Greater than 95.0% as determined by SDS-PAGE.

**AMINO ACID SEQUENCE:**

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MSDNGPQNQR  NAPRITFGGP  SDSTGSNQNG  ERSGARSKQR  RPQGLPNNTA
SWFTALTQHG  KEDLKFPRGQ  GVPINTNSSP  DDQIGYYRRA  TRRIRGGDGK
MKDLSPRWYF  YYLGTGPEAG  LPYGANKDGI  IWVATEGALN  TPKDHIGTRN
PANNAIIVLQ  LPQGTTLPKG  FYAEGSRGGS  QASSRSSRS  RNSSRNSTPG
SSRGTSPARM  AGNGGDAALA  LLLLDRLNQL  ESKMSGKGQQ  QQGQTVTKKS
AAEASKKPRQ  KRTATKAYNV  TQAFGRRGPE  QTQGNFGDQE  LIRQGTDYKH
WPQIAQFAPS  ASAFFGMSRI  GMEVTPSGTW  LTYTGAIKLD  DKDPNFKDQV
ILLNKHIDAY  KTFPPTEPKK  DKKKKADETQ  ALPQRQKKQQ  TVTLLPAADL
DDFSKQLQQS  MSSADSTQA
    
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### **FIGURE**



### **PRODUCT USE LIMITATION**

These products are intended for research use only.