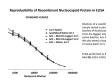


# SARS-CoV-2 Nucleocapsid Protein (Histagged)

# A purified, soluble recombinant SARS-CoV-2 nucleocapsid protein, His-tagged







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### Category

Biological Materials Research Reagents/New Research Reagents

#### **Authors**

**Prof Jon Sayers** 

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### A Purified, recombinant SARS-CoV-2 nucleocapsid protein.

This protein represents the nucleocapsid protein from the original SARS-CoV-2 strain, first identified in Wuhan.

Details (see spec sheet for more details)

- Host: E. coli
- Tag: minimal N-terminal six-histidine tagged (HHHHHHG)
- Purity: >95%, assessed by SDS-PAGE.
- Formulation: Aqueous solution flash frozen at -80 °C
- Quantities available: 1 mg, 10 mg & 100 mg. Multiples may be ordered.

For other pack sizes/larger quantities or questions regarding aliqoting please contact us.

Please select the correct licence to reflect the quantity being ordered.

# Sequence

MHHHHHHGSDNGPQNQRNAPRITFGGPSDSTGSNQNGERSGARSKQRRPQGLPNNTASWF
TALTQHGKEDLKFPRGQGVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSPRWYFYYL
GTGPEAGLPYGANKDGIIWVATEGALNTPKDHIGTRNPANNAAIVLQLPQGTTLPKGFYA
EGSRGGSQASSRSSSRSRNSSRNSSRNSTPGSSRGTSPARMAGNGGDAALALLLLDRLNQLESK
MSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGRRGPEQTQGNFGDQELIR
QGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAIKLDDKDPNFKDQVILL

NKHIDAYKTFPPTEPKKDKKKKADETOALPOROKKOOTVTLLPAADLDDFSKOLOOSMSS

**ADSTQA** 

(Note: N-terminal Met is removed on processing in E. coli, so that amino acids 9-426 of the sequence above matches residues 2-419 of SARS-CoV-2 Nucleocapsid protein GenBank entry QHD43423.2.)

### **Background**

The coronavirus nucleocapsid (N) protein has a structural role, binding to the viral RNA and forming the nucleocapsid. The N protein is highly immunogenic and abundantly expressed during infection which makes it an important marker in diagnostic assays for COVID-19. Recombinant nucleocapsid proteins are commonly used in viral quantification assays and in ELISAs for detection of human antibodies against coronavirus.

#### **Ordering**

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# **Delivery and checkout questions**

A charge is added at checkout to cover packing and shipping costs. This will be £20 for UK orders and £50 for EU orders. The material will be packaged with dry ice and shipped by DHL.

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#### Keywords

SARS-CoV-2, nucleocapsid, protein, coronavirus, COVID, COVID-19, 2019-ncov

## **Further information**

Further information on the research group may be found at:

https://www.sheffield.ac.uk/medicine/people/iicd/jon-r-sayers

https://www.sheffield.ac.uk/news/nr/sheffield-coronavirus-antibody-research-1.893554