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## Recombinant SARS-CoV-2 Nucleocapsid Protein

**REP0072 - REP0073**  
**100µg - 500µg**

### Description

SARS-CoV-2 nucleocapsid (N) protein is an important antigen for coronavirus, which participates in RNA package and virus particle release.

Nucleocapsid protein packages the positive strand viral RNA genome into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and the small membrane protein M. It plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Nucleocapsid protein may modulate the transforming growth factor-beta signalling by binding host smad3.

### Product type

Recombinant His-tagged protein

### Protein

*Nucleocapsid* amino acid sequences - Accession Number: **QHD43423.2**

### Expression system

*Escherichia coli*

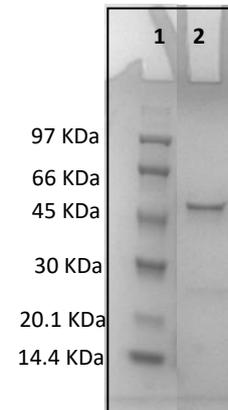
### Tested by

SDS-PAGE

### Purity

>90% pure estimated by SDS-PAGE (EU Ph. 5.0 § 2.5.31).

Purified recombinant nucleocapsid protein (lane 1, molecular weight standard; lane 2, 5µg) was separated by SDS-PAGE (12% polyacrylamide) and stained with Coomassie Blue.



### Form

Liquid

### Storage buffer

20mM Phosphate Buffer pH 7.5; 500mM Sodium Chloride; 250mM Imidazole.

### Storage instructions

Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles