

## ATAGENIX LABORATORIES

# Catalog Number:ATMP02490COV Recombinant 2019-nCoV Nucleocapsid protein

### **Product Details**

### **Summary**

Product name Recombinant 2019-nCoV Nucleocapsid protein

Catalog# ATMP02490COV

description Recombinant SARS-CoV-2 Nucleocapsid protein is produced by Mammalian cells

expression system and the target gene encoding Ser2-Ala419 is expressed with C-

His Tag

Expression system Mammalian cells

Species Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

Accession # QHD43423.2

Alternative names Nucleoprotein

Predicted Molecular Mass 47.79kDa

Purity >90% as determined by SDS-PAGE

Endotoxin level Please contact with the lab for this information

Formulation Lyophilized Lyophilized from PBS pH7.4,1mM EDTA,4%trehalose,1% mannitol.

Shipping In general, proteins are shipped out with blue ice unless customers require

otherwise.

**Stability &Storage**Use a manual defrost freezer and avoid repeated freeze thaw cycles.

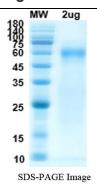
Store at 2 to 8 °C for one week .

Store at -20 to -80 °C for twelve months from the date of receipt.

**Reconstitution** Reconstitute in sterile water for a stock solution.

Application Immunogen

#### SDS-PAGE image





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## **Background**

Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

#### **Note**

For research use only.