

# Recombinant 2019-nCoV Nucleocapsid CTD Protein, His-tagged

Cat. No. N-036C Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant 2019-nCoV Nucleocapsid (N) Protein C-terminal domain (237-419) was expressed in E. coli cells with a C-terminal His tag.
<b>Species</b>	Sars-Cov-2
<b>Source</b>	E.coli
<b>ProteinLength</b>	237-419
<b>Description</b>	CoV N protein is an RNA-binding protein primarily involved in binding to the viral RNA genome during packaging of viral RNA into a helical ribonucleoproteins or nucleocapsid structure. In addition, N-protein regulates viral RNA synthesis during replication/transcription and modulates host-pathogen interactions, such as such as actin reorganization, host cell cycle progression, and apoptosis. N protein is abundantly expressed during infection and antibodies against N-protein have been detected in confirmed cases of Covid-19. Therefore, N-protein is a potent antigen that provides basis for future vaccine and diagnostic kit development
<b>Molecular Mass</b>	26 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	ELISA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	One year at -70 centigrade from date of shipment.
<b>Storage</b>	Store product at -70 centigrade. For optimal storage, aliquot targets into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	1 µg/µL
<b>Storage Buffer</b>	Recombinant protein stored in 50mM sodium phosphate, pH 7.5, 300mM NaCl, 150mM imidazole.
<b>Shipping</b>	Dry ice

## GENE INFORMATION

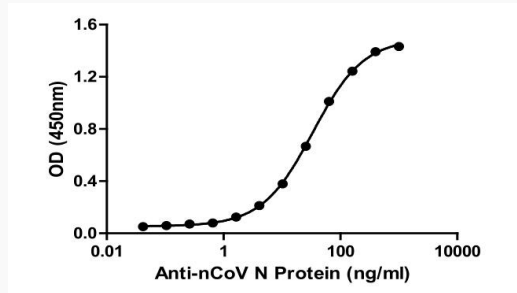
<b>Gene Name</b>	N nucleocapsid phosphoprotein [ Severe acute respiratory syndrome coronavirus 2 ]
<b>Official Symbol</b>	N
<b>Synonyms</b>	N; nucleocapsid phosphoprotein; nucleocapsid phosphoprotein; ORF9; structural protein
<b>Gene ID</b>	43740575
<b>mRNA Refseq</b>	MN908947
<b>Protein Refseq</b>	YP_009724397

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

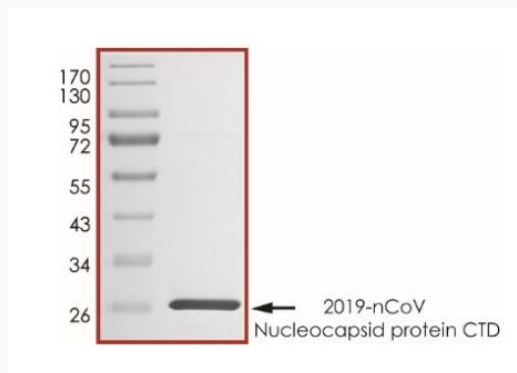
 45-1 Ramsey Road, Shirley, NY 11967, USA

**Activity**



Binding of Anti-2019-nCoV N-Protein Antibody to immobilized 2019-nCoV N-Protein CTD determined by ELISA using Goat anti-human Fc-HRP.

**SDS-PAGE**



The purity was determined to be >90% by densitometry, approx. MW 26 kDa.