Recombinant 2019-nCoV Nucleocapsid CTD Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant 2019-nCoV Nucleocapsid (N) Protein C-terminal domain (237-419) was expressed in E. coli cells with a C-terminal His tag.
Species	Sars-Cov-2
Source	E.coli
ProteinLength	237-419
Description	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
Molecular Mass	26 kDa
Purity	> 90%
Applications	ELISA

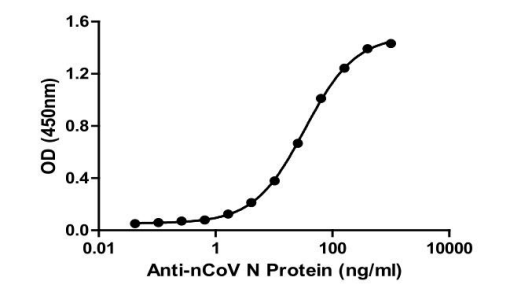
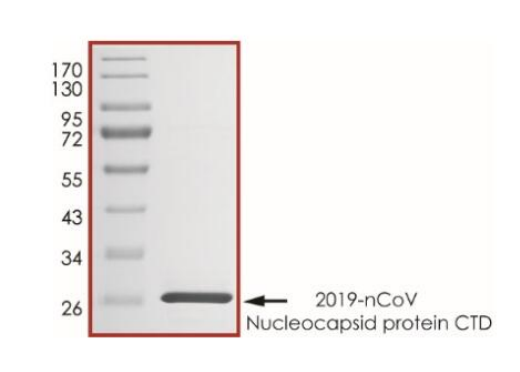
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	One year at -70 centigrade from date of shipment.
Storage	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.
Concentration	1 μg/μL
Storage Buffer	Recombinant protein stored in 50mM sodium phosphate, pH 7.5, 300mM NaCl, 150mM imidazole.
Shipping	Dry ice

GENE INFORMATION

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

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA