

Recombinant 2019-nCoV N Protein, His-tagged

Cat. No. N-903V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 2019-nCoV N Protein(Met 1 - Ala 419)(Accession # QHO62115.1), fused to His tag at the N-terminus, was expressed from E. coli.
Species	Sars-Cov-2
Source	E.coli
ProteinLength	Met 1 - Ala 419
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, Arginine, pH7.5. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	The protein has a calculated MW of 49.4 kDa. The protein migrates as 47-50 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

 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

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [N nucleocapsid phosphoprotein \[Severe acute respiratory syndrome coronavirus 2 \]](#)

Official Symbol [N](#)

Synonyms

coronavirus NP Protein, 2019-nCoV; coronavirus Nucleocapsid Protein, 2019-nCoV; coronavirus Nucleoprotein Protein, 2019-nCoV; cov np Protein, 2019-nCoV; nCoV NP Protein, 2019-nCoV; NCP-CoV Nucleocapsid Protein, 2019-nCoV; novel coronavirus NP Protein, 2019-nCoV; novel coronavirus Nucleocapsid Protein, 2019-nCoV; novel coronavirus Nucleoprotein Protein, 2019-nCoV; np Protein, 2019-nCoV; nucleocapsid Protein, 2019-nCoV; Nucleoprotein Protein, 2019-nCoV

Gene ID [43740575](#)

Protein Refseq [YP_009724397.2](#)

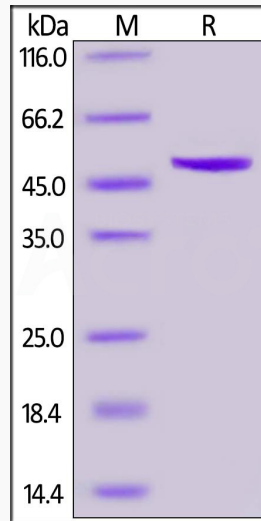
UniProt ID [P0DTC9](#)

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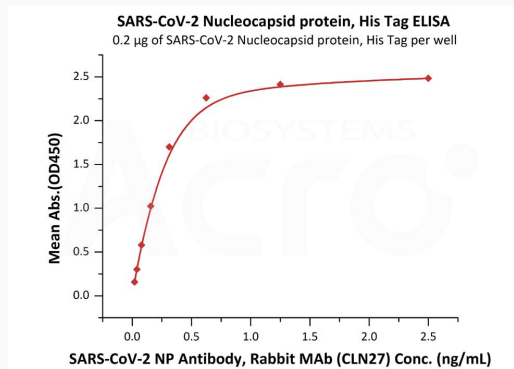
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SDS-PAGE



Bioactivity-ELISA



Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 NP Antibody, Rabbit MAb (CLN27) with a linear range of 0.02-0.3 ng/mL.

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