

## Recombinant 2019-nCoV N(D103Y) Protein, His-tagged

Cat. No. N-902V Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant 2019-nCoV N(D103Y) Protein(Met 1 - Ala 419)(Accession # QHO62115.1), fused to His tag at the C-terminus, was expressed from HEK293.
<b>Species</b>	Sars-Cov-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1 - Ala 419
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, 0.3 M NaCl, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Molecular Mass</b>	The protein has a calculated MW of 47.3 kDa. The protein migrates as 55-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	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.

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**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

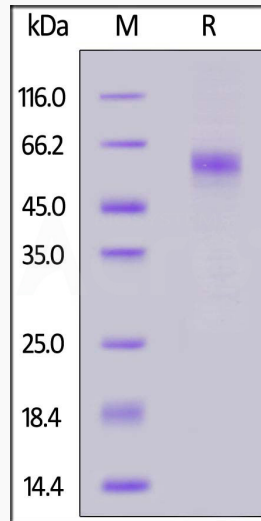
**UniProt ID** P0DTC9

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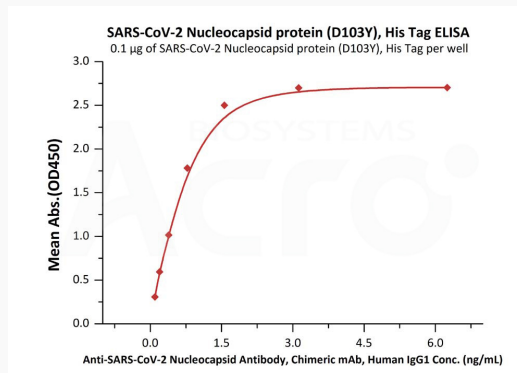
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**SDS-PAGE**



**Bioactivity-ELISA**



Immobilized SARS-CoV-2 Nucleocapsid protein (D103Y), His Tag at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.1-1 ng/mL.

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