

# Recombinant SARS-CoV-2 Nucleocapsid Protein (D377Y), His-tagged

Cat. No. N-07S    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Full-length SARS-CoV-2 Nucleocapsid protein, Met1-Ala419, with point mutation D377Y and a C-terminal His-tag. D377Y mutation is the same NP mutation which was identified on the SARS-CoV-2 variant (B.1.617) which emerged in India.
<b>Species</b>	SARS-CoV-2
<b>Source</b>	E.coli
<b>Description</b>	The nucleocapsid (N) protein is the structural component of the viral structure and it primarily functions to bind coronavirus RNA genome. The N protein is the most abundant protein in coronavirus. It is normally very conserved and is highly immunogenic phosphoprotein. It is also involved in CoV replication cycle and the host cellular response to viral infection. The localization of N to the endoplasmic reticulum (ER)-Golgi region has proposed a function for it in assembly and budding. This protein can be used as a marker for diagnostic tests for Covid-19.
<b>Form</b>	Frozen liquid
<b>Endotoxin</b>	< 0.1 EU/μg
<b>Storage</b>	The protein is stable in a liquid state at -70 centigrade for 12 months. Avoid repeated freeze-thaw cycles
<b>Storage Buffer</b>	PBS

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**Shipping** Dry ice

## GENE INFORMATION

**Gene Name** N nucleocapsid phosphoprotein [ Severe acute respiratory syndrome coronavirus 2 ]

**Official Symbol** N

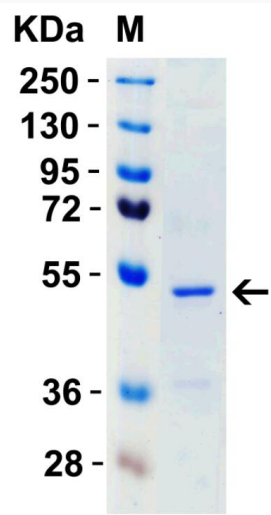
**Synonyms** N; nucleocapsid phosphoprotein; nucleocapsid phosphoprotein; ORF9; structural protein

**Gene ID** 43740575

**mRNA Refseq** MN908947

**Protein Refseq** YP\_009724397

**SDS-PAGE**



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