

Recombinant SARS-CoV-2 N Protein, His-tagged

Cat. No. N-49S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 Nucleocapsid Protein is produced by E.coli. The target gene encoding 1-419 is expressed with a 6His tag at the N terminus.
Species	SARS-CoV-2
Source	E.coli
Description	SARS-CoV-2 Nucleocapsid protein is the most abundant protein for coronavirus. During virion assembly, it packages the viral RNA into a helical nucleocapsid and is highly associated with transcription and replication of the virus. In addition, SARS-CoV-2 Nucleocapsid protein has the potential to become the diagnosis target of the virus due to its strong immunogenicity.
Form	Supplied as a 0.2 uM filtered solution of PBS, pH 7.4.
Molecular Mass	Predicted Molecular Weight: 47kDa Apparent Molecular Weight: 50kDa, reducing conditions.
AA Sequence	1-419 aa
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room

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temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Statement

Purity: greater than 95% as determined by reducing SDS-PAGE.

Shipping

The product is shipped on dry ice pack.

Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name

N nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol

N

Synonyms

Nucleocapsid protein; NP; Protein N; COVID-19

Gene ID

43740575

Protein Refseq

YP_009724397.2

UniProt ID

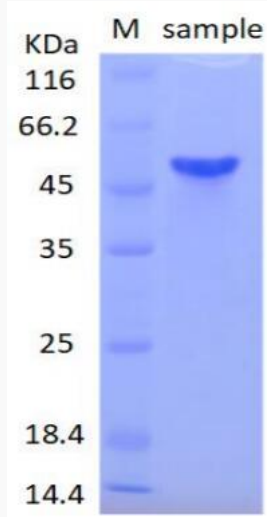
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SDS-PAGE



Sample under reducing conditions

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