

Recombinant COVID-19 N protein, His-tagged

Cat. No. N-203V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 N protein(YP_009724397.2)(41-186aa) was fused to His-tagged at C-terminus and expressed in E. coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	partial
Description	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The nucleocapsid phosphoprotein is a structural protein that binds to, protects the viral RNA genome and is involved in packaging the RNA into virus particles. The N protein has been suggested as an antiviral drug target.
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization

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is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Molecular Mass

17.4 kDa

AA Sequence

RPQGLPNNTASWFTALTQHGKEDLKFPARGQGVPIINTNSSPDDQIGYYRRATRRIRG
 GDGKMKDLSPRWYFYLLGTGPEAGLPYGANKDGIWVATEGALNTPKDHIGTRNPA
 NNAIVLQLPQGTTLPKGFYAEGSRGGSQASSRS

Purity

Greater than 90% as determined by SDS-PAGE.

Notes

Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage

Store at -20°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution

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

GENE INFORMATION

Gene Name

[N](#)

Official Symbol

[N](#)

Synonyms

Nucleocapsid protein, NC, protein N, N

Gene ID

[43740575](#)

Protein Refseq

[YP_009724397.2](#)

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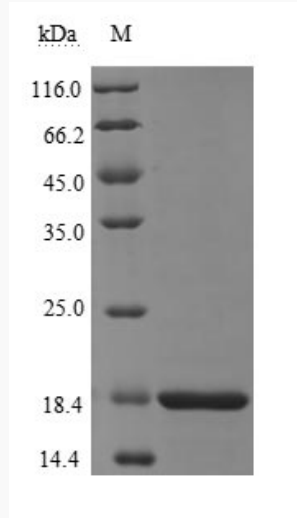
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UniProt ID

P0DTC9

SDS-PAGE of N-203V



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