

Recombinant SARS-CoV-2 N Protein

Cat. No. N-5001S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This recombinant protein contains Covid-19 whole nucleocapsid protein (N protein) with a MW of 49.6 kDa. It is recognized by an anti-N-protein antibody in ELISA tests.
Species	SARS-CoV-2
Source	Insect Cells
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	Affinity purified, liquid
Molecular Mass	49.6 kDa
Purity	>95% pure by SDS-PAGE

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Applications	Suitable for use in ELISA, Lateral Flow, WB, and other immune tests.
Storage	Upon receipt, quick spin before open vial, aliquot and store at ≤ -20 centigrade. Avoid multiple freeze/thaw cycles
Storage Buffer	PBS, pH 7.3
Preservative	0.05% NaN ₃
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
Protein Refseq	YP_009724397
UniProt ID	P0DTC9

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