

## Recombinant SARS-CoV-2 N Protein

Cat. No. N-5002S Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	This recombinant protein contains Covid-19 whole nucleocapsid protein (N protein) with a MW of 46.5 kDa. It is recognized by an anti-N-protein antibody in ELISA tests.
<b>Species</b>	SARS-CoV-2
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Purified, Liquid
<b>Molecular Mass</b>	46.5 kDa
<b>Purity</b>	>95% pure by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	Suitable for use in ELISA, CLIA, Lateral Flow, WB, and other immune tests.
<b>Storage</b>	Upon receipt, quick spin before open vial, aliquot and store at ≤ -20 centigrade. Avoid multiple freeze/thaw cycles
<b>Storage Buffer</b>	PBS, pH 7.3
<b>Preservative</b>	0.1% ProClin 300
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	N nucleocapsid phosphoprotein [ Severe acute respiratory syndrome coronavirus 2 ]
<b>Official Symbol</b>	N
<b>Synonyms</b>	N; nucleocapsid phosphoprotein; nucleocapsid phosphoprotein; ORF9; structural protein
<b>Gene ID</b>	43740575
<b>Protein Refseq</b>	YP_009724397
<b>UniProt ID</b>	P0DTC9

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