

## Recombinant COVID-19 Nucleocapsid (P13L, R203K, G204R, Q384H) protein(Met1-Ala419), His-tagged

Cat. No. N-1307V Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant SARS-CoV-2 Nucleocapsid (YP_009724397.2, with mutations P13L, R203K, G204R, Q384H) (Met1-Ala419) was expressed in E. coli with a polyhistidine tag at the N-terminus. The mutations were identified in the SARS-CoV-2 variant (known as variant C.1.2) which emerged in the South Africa. |
| <b>Species</b>          | Sars-CoV-2  |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Met1-Ala419   |
| <b>Form</b>             | Lyophilized from sterile 50mM PB, 500mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Molecular Mass</b>   | The recombinant SARS-CoV-2 Nucleocapsid consists of 426 amino acids and predicts a molecular mass of 46.69 kDa.   |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.   |

 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



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

## GENE INFORMATION

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

**Official Symbol** N

**Synonyms** N; Nucleocapsid

**Gene ID** 43740575

**Protein Refseq** YP\_009724397.2

**UniProt ID** P0DTC9

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