

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

Cat. No. N-46S Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant SARS-CoV-2 (2019-nCoV) NP NTD domain is produced by our E.coli expression system and the target gene encoding Met1-Tyr109 is expressed with a 6His tag at the N- terminus.  |
| <b>Species</b>          | SARS-CoV-2  |
| <b>Source</b>           | E.coli  |
| <b>Description</b>      | Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool. |
| <b>Form</b>             | Supplied as a 0.2 uM filtered solution of PBS, 2M Urea, pH 7.4.   |
| <b>AA Sequence</b>      | Met1-Tyr109   |
| <b>Endotoxin</b>        | Less than 0.1 ng/ug (1 EU/ug).  |
| <b>Shipping</b>         | Dry ice/ice packs   |

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## GENE INFORMATION

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

**Official Symbol** N

**Synonyms** 2019-nCoV coronavirus NP Protein; 2019-nCoV np Protein; 2019-nCoV novel coronavirus Nucleoprotein Protein

**Gene ID** 43740575

**Protein Refseq** YP\_009724397.2

**UniProt ID** P0DTC9

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