

# Recombinant HCoV-NL63 N Protein, His-SUMO-tagged(N-ter)

**Cat. No.** N-254H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HCoV-NL63 N Protein with His-SUMO tag (N-ter) was expressed in HEK293.                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | HCoV-NL63                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Coronaviruses are named for the crown-like spikes on their surface. There are four main sub-groupings of coronaviruses, known as 229E (alpha coronavirus), NL63 (alpha coronavirus), OC43 (beta coronavirus), HKU1 (beta coronavirus).                                                                                                                                                                          |
| <b>Form</b>             | Powder                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MASVNWADDRAARKKFPPPSFYMPLLVSSDKAPYRVIPRNLVPIGKGNKDEQIGYW<br>NVQERWRMRRGQRVDLPKVFHYLGTGPHKDLKFRQRSDGVVWVAKEGAKTVN<br>TSLGNRKRNQKPLEPKFSIALPPELSVVEFEDRSNNSSRASSRSSTRNNSRDSSRST<br>SRQQSRTRSDSNQSSSDLVAAVTLALKNLGFDNQSKSPSSSGTSTPKKPNKPLSQP<br>RADKPSQLKKPRWKRVPTREENVIQCFGPRDFNHNMGDSDLVQNGVDAKGFPQLA<br>ELIPNQAAFFDSEVSTDEVGDNVQITYTYKMLVAKDNKNLPKFIEQISAF TKPSSIKE<br>MQSQSSHVAQNTVLNASIPESKPLADDDSAIIEIVNEVLH |
| <b>Endotoxin</b>        | Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 95% (by SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                             |

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|                       |                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE                                                                                                                                                                                                                                                    |
| <b>Notes</b>          | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                        |
| <b>Storage</b>        | Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| <b>Storage Buffer</b> | PBS (pH 7.4)                                                                                                                                                                                                                                                |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.             |

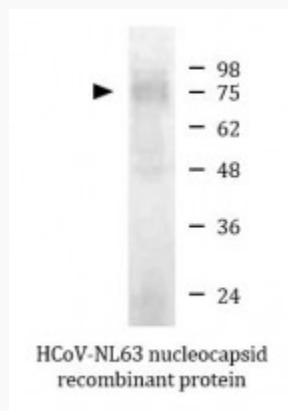
## GENE INFORMATION

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| <b>Gene Name</b>       | N nucleocapsid protein [ Human coronavirus NL63 ]            |
| <b>Official Symbol</b> | N                                                            |
| <b>Synonyms</b>        | N; nucleocapsid protein; nucleocapsid protein; nucleoprotein |
| <b>Gene ID</b>         | 2943504                                                      |
| <b>Protein Refseq</b>  | YP_003771                                                    |
| <b>UniProt ID</b>      | Q6Q1R8                                                       |

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**SDS-PAGE**

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