

# Recombinant Human NUDC Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NUDC-3982H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NUDC MS Standard C13 and N15-labeled recombinant protein (NP_006591) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a nuclear distribution protein that plays an essential role in mitosis and cytokinesis. The encoded protein is involved in spindle formation during mitosis and in microtubule organization during cytokinesis. Pseudogenes of this gene are found on chromosome 2.                                                                                                         |
| <b>Molecular Mass</b>   | 38.2 kDa                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MGGEQEEERFDGMLLAMAQQHEGGVQELVNTFFSFLRRKTDFFIGGEEGMAEKLIT<br>QTFSHHNQLAQKTRREKRARQEAERREKAERAARLAKEAKSETSGPQIKELTDEEA<br>ERLQLEIDQKKDAENHEAQLKNGSLDSPGKQDTEEDEEEDEKDKGKLKPNLGNAD<br>LPNYRWTQTLSELDAVPFCVNFRLKGKDMVVDIQRRLRVGLKGQPAIDGELYNE<br>VKVEESSWLIEDGKVVTVHLEKINKMEWWSRLVSSDPEINTKKINPENSKLSDLDSE<br>TRSMVEKMMYDQRQKSMGLPTSDEQKKQEILKKFMDQHPMDFSKAKFNTRTRPL<br>EQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                   |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

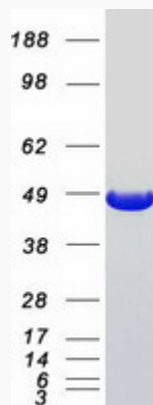
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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NUDC nuclear distribution C, dynein complex regulator [ Homo sapiens (human) ]                                                                                                                                                                                                                    |
| <b>Official Symbol</b> | NUDC                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | NUDC; nuclear distribution C homolog (A. nidulans); nuclear distribution gene C (A.nidulans) homolog, nuclear distribution gene C homolog (A. nidulans); nuclear migration protein nudC; NudC; nuclear distribution gene C homolog; nuclear distribution protein C homolog; HNUDC; MNUDC; NPD011; |
| <b>Gene ID</b>         | 10726                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_006600                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_006591                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 610325                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | Q9Y266                                                                                                                                                                                                                                                                                            |

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## SDS-PAGE



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