

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

**Cat. No.** NLK-5651H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NLK MS Standard C13 and N15-labeled recombinant protein (NP_057315) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | NLK (Nemo Like Kinase) is a Protein Coding gene. Among its related pathways are Signaling by GPCR and Regulation of activated PAK-2p34 by proteasome mediated degradation. Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is MAPK7.                                                                                                                             |
| <b>Molecular Mass</b>   | 58.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>MSLCGARANAKMMAAYNGGTSAATGHHHHHHHHLPHLPPPHLHHHHHPQHHLH<br/> PGSAAVHPVQQHTSSAAAAAAAAAAAAAMLNPGQQQPYFPSPAPGQAPGPAAAA<br/> PAQVQAAAAATVKAHHHQHSHHPQQQLDIEPDRPIGYGAFGVVWSVTDPRDGKRV<br/> ALKKMPNVFQNLVSCKRVFRELKMLCFFKHNDVLSALDILQPPHIDYFEEIYVVTELM<br/> QSDLHKIIVSPQLSSDHVKVFLYQILRGLKYLHSAGILHRDIKPGNLLVNSNCVLKICD<br/> FGLARVEELDESRHMTQEVVTQYYRAPEILMGSRHYSNAIDIWSVGCIFAELLGRRIL<br/> FQAQSPIQQLDLITDLLGTPSLEAMRTACEGAKAHILRGPHKQPSLPVLYTLSSQATH<br/> EAVHLLCRMLVFDPSKRISAKDALAHPYLDEGRLRYHTCMCKCCFSTSTGRVYTSD</p> |

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FEPVTNPKFDDTFEKNLSSVRQVKEIIHQFILEQQKGNRVPLCINPQSAAFKSFISSTV  
AQPSEMPPSPLVWETRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <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

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NLK nemo-like kinase [ Homo sapiens (human) ]                                                          |
| <b>Official Symbol</b> | NLK                                                                                                    |
| <b>Synonyms</b>        | NLK; nemo-like kinase; nemo like kinase; serine/threonine-protein kinase NLK; FLJ21033; DKFZp761G1211; |
| <b>Gene ID</b>         | 51701                                                                                                  |
| <b>mRNA Refseq</b>     | NM_016231                                                                                              |
| <b>Protein Refseq</b>  | NP_057315                                                                                              |
| <b>MIM</b>             | 609476                                                                                                 |

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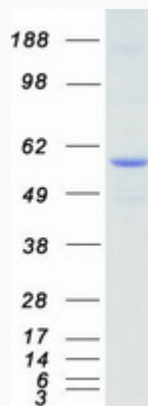
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UniProt ID

Q9UBE8

SDS-PAGE

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