

# Recombinant Human NMRAL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NMRAL1-3047H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NMRAL1 MS Standard C13 and N15-labeled recombinant protein (NP_065728) 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 an NADPH sensor protein that preferentially binds to NADPH. The encoded protein also negatively regulates the activity of NF-kappaB in a ubiquitylation-dependent manner. It plays a key role in cellular antiviral response by negatively regulating the interferon response factor 3-mediated expression of interferon beta. Alternative splicing of this gene results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 33.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MVDKKLVVVFGGTGAQGGSVARTLLEDGTFKVRVVTRNPRKKA AKELRLQGAEEV<br>QGDQDDQVIMELALNGAYATFIVTNYWESCSQEVEVKQGKLLADLARRLGLHYVVY<br>SGLENIKKLTAGRLAAAHFDGKGVEVEEYFRDIGVPMTSVRLPCYFENLLSHFLPQKA<br>PDGKSYLLSLPTGDVPMDGMSVSDLGPVVL SLLKMPEKYVGQNI GLSTCRHTAEEY<br>AALLTKHTRKVVHDAKMT PEDYEKLGFP GARDLANMFRFYALRPDRDIELTLRLNPK<br>ALTLDQWLEQHKGDFNLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                        |
| <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.                                                    |

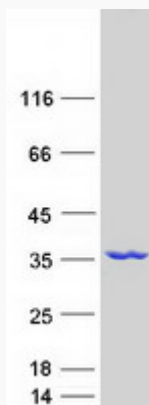
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NMRAL1 NmrA-like family domain containing 1 [ Homo sapiens (human) ]                                                                                                                                                                       |
| <b>Official Symbol</b> | NMRAL1                                                                                                                                                                                                                                     |
| <b>Synonyms</b>        | NMRAL1; NmrA-like family domain containing 1; nmrA-like family domain-containing protein 1; FLJ25918; HSCARG; SDR48A1; short chain dehydrogenase/reductase family 48A; member 1; short chain dehydrogenase/reductase family 48A, member 1; |
| <b>Gene ID</b>         | 57407                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_020677                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_065728                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | Q9HBL8                                                                                                                                                                                                                                     |

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**SDS-PAGE**

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