

# Recombinant Full Length Human NMNAT2 Protein, GST-tagged

**Cat. No.** NMNAT2-6595HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Human NMNAT2 full-length ORF ( AAH20998, 1 a.a. - 302 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 302 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene product belongs to the nicotinamide mononucleotide adenylyltransferase (NMNAT) enzyme family, members of which catalyze an essential step in NAD (NADP) biosynthetic pathway. Unlike the other human family member, which is localized to the nucleus, and is ubiquitously expressed; this enzyme is cytoplasmic, and is predominantly expressed in the brain. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 58.74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MEIQELEEEIQACQGLWEVFTLSEARADYLHKTGRFIVIGGIVSPVHDSYGKQGLVSS<br>RHRLIMCQLAVQNSDWIRVDPWECYQDTWQTTCSVLEHHRDLMKRVTGCILSNVN<br>TPSMTPVIGQPQNETPQPIYQNSNVATKPTAAKILGKVGESLSRICCVRPPVERFTFV<br>DENANLGTVMRYEEIELRILLLCGSDLLESFCIPGLWNEADMEVIVGDFGIVVVRDA<br>ADTDRIMNHSSILRKYKNNIMVVKDDINHPMSVVSSTKSRLALQHGDGHVVDYLSQP<br>VIDYILKSQLYINASG                                                                                                                                                |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                        |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | NMNAT2 nicotinamide nucleotide adenylyltransferase 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | NMNAT2                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | NMNAT2; nicotinamide nucleotide adenylyltransferase 2; C1orf15, chromosome 1 open reading frame 15; nicotinamide mononucleotide adenylyltransferase 2; KIAA0479; PNAT2; NMN adenylyltransferase 2; NaMN adenylyltransferase 2; pyridine nucleotide adenylyltransferase 2; nicotinate-nucleotide adenylyltransferase 2; C1orf15; MGC2756; |
| <b>Gene ID</b>          | 23057                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_015039                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_055854                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>              | 608701                                                                                                                                                                                                                                                                                                                                   |

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UniProt ID

Q9BZQ4

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