

Recombinant Human NMNAT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NMNAT2-5467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NMNAT2 MS Standard C13 and N15-labeled recombinant protein (NP_733820) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	34 kDa
AA Sequence	MEIQELEEEIQACQGLWEVFVTLSEARADYLHKTGRFIVIGGIVSPVHDSYGKQGLVSS RHRLIMCQLAVQNSDWIRVDPWECYQDTWQTTCVLEHHRDLMKRVTGCILSNVN TPSMTPVIGQPQNETPQPIYQNSNVATKPTAAKILGKVGESLSRICCVRPPVERFTFV DENANLGTVMYEEIELRILLLCGSDLLESFCIPGLWNEADMEVIVGDFGIVVVRDA ADTDRIMNHSSILRKYKNNIMVVKDDINHPMSVVSSTKSRLALQHGDGHVVDYLSQP VIDYILKSQLYINASGTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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

GENE INFORMATION

Gene Name	NMNAT2 nicotinamide nucleotide adenylyltransferase 2 [Homo sapiens (human)]
Official Symbol	NMNAT2
Synonyms	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;
Gene ID	23057
mRNA Refseq	NM_170706
Protein Refseq	NP_733820
MIM	608701
UniProt ID	Q9BZQ4

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