Recombinant Human NMNAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NMNAT1-6280H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NMNAT1 MS Standard C13 and N15-labeled recombinant protein (NP_073624) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme which catalyzes a key step in the biosynthesis of nicotinamide adenine dinucleotide (NAD). The encoded enzyme is one of several nicotinamide nucleotide adenylyltransferases, and is specifically localized to the cell nucleus. Activity of this protein leads to the activation of a nuclear deacetylase that functions in the protection of damaged neurons. Mutations in this gene have been associated with Leber congenital amaurosis 9. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are located on chromosomes 1, 3, 4, 14, and 15.
Molecular Mass	31.9 kDa
AA Sequence	MENSEKTEVVLLACGSFNPITNMHLRLFELAKDYMNGTGRYTVVKGIISPVGDAYKK KGLIPAYHRVIMAELATKNSKWVEVDTWESLQKEWKETLKVLRHHQEKLEASDCDH QQNSPTLERPGRKRKWTETQDSSQKKSLEPKTKAVPKVKLLCGADLLESFAVPNLW KSEDITQIVANYGLICVTRAGNDAQKFIYESDVLWKHRSNIHVVNEWIANDISSTKIRR ALRRGQSIRYLVPDLVQEYIEKHNLYSSESEDRNAGVILAPLQRNTAEAKTTRTRPLE

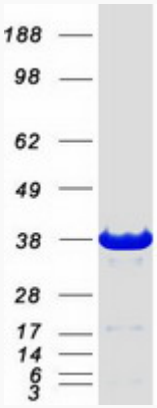
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	QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw 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	NMNAT1 nicotinamide nucleotide adenylyltransferase 1 [Homo sapiens (human)]
Official Symbol	NMNAT1
Synonyms	NMNAT1; nicotinamide nucleotide adenylyltransferase 1; nicotinamide nucleotide adenylyltransferase; nicotinamide mononucleotide adenylyltransferase 1; NMNAT; PNAT1; NMN adenylyltransferase 1; NaMN adenylyltransferase 1; pyridine nucleotide adenylyltransferase 1; nicotinate-nucleotide adenylyltransferase 1;
Gene ID	64802
mRNA Refseq	NM_022787
Protein Refseq	NP_073624
MIM	608700

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UniProt ID	Q9HAN9
SDS-PAGE	

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