

Recombinant Full Length Human NMNAT1 Protein, GST-tagged

Cat. No. NMNAT1-6593HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NMNAT1 full-length ORF (NP_073624.2, 1 a.a. - 279 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	279 amino acids
Description	The coenzyme NAD and its derivatives are involved in hundreds of metabolic redox reactions and are utilized in protein ADP-ribosylation, histone deacetylation, and in some Ca(2+) signaling pathways. NMNAT (EC 2.7.7.1) is a central enzyme in NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD (Zhang et al., 2003 [PubMed 12574164]).[supplied by OMIM
Molecular Mass	58.3 kDa
AA Sequence	MENSEKTEVVLLACGSFNPITNMHLRLFELAKDYMNGTGRTTVVKGIISPVGDAYKK KGLIPAYHRVIMAEELATKNSKWVEVDTWESLQKEWKETLKVLRHHQEKLEASDCDH QQNSPTLERPGRKRKWTETQDSSQKKSLEPKTKAVPKVKLLCGADLLESFAVPNLW KSEDTQIVANYGLICVTRAGNDAQKFIYESDVLWKHRSNIHVVNEWIANDISSTKIRR ALRRGQSIRYLVPDLVQEYIEKHNLVSSSEDRNAGVILAPLQRNTAEAKT

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NMNAT1 nicotinamide nucleotide adenyltransferase 1 [Homo sapiens]
Official Symbol	NMNAT1
Synonyms	NMNAT1; nicotinamide nucleotide adenyltransferase 1; nicotinamide nucleotide adenyltransferase; nicotinamide mononucleotide adenyltransferase 1; NMNAT; PNAT1; NMN adenyltransferase 1; NaMN adenyltransferase 1; pyridine nucleotide adenyltransferase 1; nicotinate-nucleotide adenyltransferase 1;
Gene ID	64802
mRNA Refseq	NM_022787
Protein Refseq	NP_073624
MIM	608700
UniProt ID	Q9HAN9

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