

Recombinant Human NMNAT3 Protein, GST-tagged

Cat. No. NMNAT3-5942H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NMNAT3 full-length ORF (NP_835471.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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	50.5 kDa
AA Sequence	MYQVIQGIISPVNDTYGKKDLAASHHRVAMARLALQTSWIRVDPWESEQAQWMET VKVLRHHHSKLLRSPQMEGPDHGKALFSTPAAVPELKLLCGADVLKTFQTPNLWK DAHIQEIVEKFGFLVCVGRVGHDPKGYIAESPILRMHQHNIHLAKEPVQNEISATYIRRA LGQGQSVKYLIPDAVITYIKDHGLYTKGSTWKGKSTQSTEGKTS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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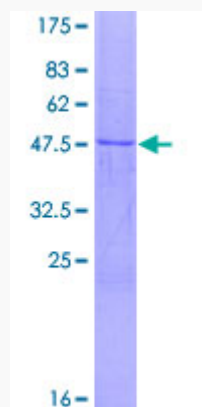
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	NMNAT3 nicotinamide nucleotide adenyltransferase 3 [Homo sapiens]
Official Symbol	NMNAT3
Synonyms	NMNAT3; nicotinamide nucleotide adenyltransferase 3; nicotinamide mononucleotide adenyltransferase 3; PNAT3; NMN adenyltransferase 3; NaMN adenyltransferase 3; pyridine nucleotide adenyltransferase 3; nicotinate-nucleotide adenyltransferase 3; FKSG76; PNAT-3;
Gene ID	349565
mRNA Refseq	NM_001200047
Protein Refseq	NP_001186976
MIM	608702
UniProt ID	Q96T66

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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