

Recombinant Full Length Mouse Nnmt Protein, His tagged

Cat. No. Nnmt-32MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Nnmt, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-264 aa
Description	Enables nicotinamide N-methyltransferase activity. Involved in NAD catabolic process; nicotinamide metabolic process; and positive regulation of metabolic process. Acts upstream of or within methylation. Is active in cytosol. Is expressed in brown fat. Human ortholog(s) of this gene implicated in abdominal aortic aneurysm. Orthologous to human NNMT (nicotinamide N-methyltransferase).
Form	Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT
Molecular Mass	32.1 kDa (288aa) confirmed by MALDI-TOF
AASequence	MGSSHHHHHHSSGLVPRGSHMGSHMESGFTSKDTYLSHFNPRDYLEKYYSFGSR HCAENEILRHLLKNLFKIFCLGAVKGELLIDIGSGPTIYQLLSACESFTEIIVSDYTDQNL WELQKWLKKEPGAFDWSPVVTYVCDLEGNRMKGPEKEEKLRRRAIKQVLKCDVTQS QPLGGVSLPPADCLLSTLCLDAACPDLPAYRTALRNLGSLKPGGFLVMVDALKSSY YMIGEQQKFSSLPLGWETVRDAVEEAGYTIQFEVISQNYSSSTTSNNEGLFSLVGRKP GRSE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Endotoxin	Specific activity is > 100 nmol/min/mg, and is defined as the amount of enzyme that transfer 1.0 nmole of methyl group per minute at 37 centigrade.
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by absorbance at 280nm)

GENE INFORMATION

Gene Name	Nnmt nicotinamide N-methyltransferase [Mus musculus]
Official Symbol	Nnmt
Synonyms	NNMT; nicotinamide N-methyltransferase;
Gene ID	18113
mRNA Refseq	NM_010924
Protein Refseq	NP_035054

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