

Active Recombinant Human NNMT Protein, His-tagged, Bioactivity Validated

Cat. No. NNMT-234H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NNMT(1-264aa) fused with His tag at N-terminal was expressed in E. coli. Bioactivity Validated.
Species	Human
Source	E.coli
ProteinLength	1-264aa
Description	NNMT(Nicotinamide N-methyltransferase) belongs to the family of transferases, specifically those transferring one-carbon group methyltransferases. It is predominantly expressed in the liver, and a lower expression is seen in the kidney, lung, skeletal muscle, placenta and heart. NNMT catalyzes the N-methylation of nicotinamide and other pyridines to form pyridinium ions. This activity is important for biotransformation of many drugs and xenobiotic compounds.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol
Bio-activity	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 37C.
Molecular Mass	37.7 kDa (284aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MESGFTSKDT YLSHFNPRDY LEKYYKFGSR

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HSAESQILKH LLKNLFKIFC LDGVKGDLLI DIGSGPTIYQ
 LLSACESFKE IVVTDYSDQN LQELEKWLLK EPEAFDWSPV VTYVCDLEGN
 RVKGPEKEEK LRQAVKQVLK CDVTQSQPLG AVPLPPADCV
 LSTLCLDAAC PDLPTYCRAL RNLGSLKPG GFLVIMDALK SSYYMIGEYK
 FSSLPLGREY VEAAYKEAGY TIEWFEVISQ SYSSTMANNE
 GLFSLVARKL SRPL

Purity > 95% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [NNMT nicotinamide N-methyltransferase \[Homo sapiens \]](#)

Official Symbol [NNMT](#)

Synonyms NNMT; nicotinamide N-methyltransferase;

Gene ID [4837](#)

mRNA Refseq [NM_006169](#)

Protein Refseq [NP_006160](#)

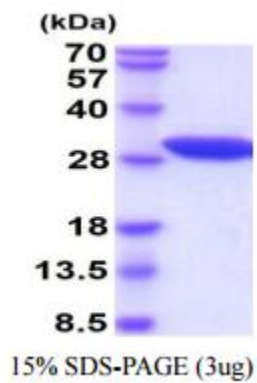
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