

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NNMT(1-264aa) fused with His tag at N-terminal was expressed in E. coli. Bioactivity Validated.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-264aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	37.7 kDa (284aa), confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MESGFTSKDT YLSHFNPRDY LEKYYKFGSR

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HSAESQILKH LLKNLFKIFC LDGVKGDLLI DIGSGPTIYQ  
LLSACESFKE IVVTDYSDQN LQELEKWLKK EPEAFDWSPV VTYVCDLEGN  
RVKGPEKEEK LRQAVKQVLK CDVTQSQPLG AVPLPPADCV  
LSTLCLDAAC PDLPTYCRAL RNLGSELLKPG GFLVIMDALK SSYYMIGEQQ  
FSSLPLGREA VEA AVKEAGY 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](#)

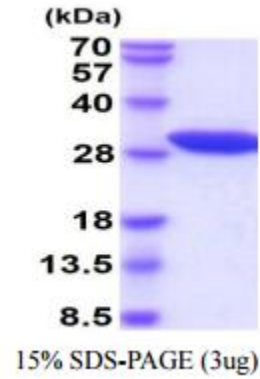
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