

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

HSAESQILKH LLKNLFKIFC LDGVKGDLLI DIGSGPTIYQ
 LLSACESFKE IVVTDYSDQN LQELEKWLLK EPEAFDWSPV VTYVCDLEGN
 RVKGPEKEEK LRQAVKQVLK CDVTQSQPLG AVPLPPADCV
 LSTLCLDAAC PDLPTYCRAL RNLGSLKPG GFLVIMDALK SSYYMIGEYK
 FSSLPLGREA 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 \[Homo sapiens \]](#)

MIM	600008
-----	--------

UniProt ID	P40261
------------	--------

 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