

Active Recombinant Human NNMT protein, GST-tagged

Cat. No. NNMT-193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NNMT fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	Nicotinamide N-methyltransferase (NNMT) is expressed predominantly in the liver, and mediates the N-methylation of nicotinamide and other pyridines. The activity of NNMT is involved in drug and xenobiotic toxicity. NNMT has also been identified as serum tumor marker for colorectal cancer, as well as potential marker in urine-based diagnostic test for bladder cancer.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	220 nmol/min/mg
Molecular Mass	54 kDa
Purity	>95%
Applications	Methyltransferase Assay
Stability	1 year at -70 centigrade from the date of shipment

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1µg/µl
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
MIM	600008
UniProt ID	P40261
Chromosome Location	11q23.1
Pathway	Biological oxidations, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Methylation, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem; Phase II

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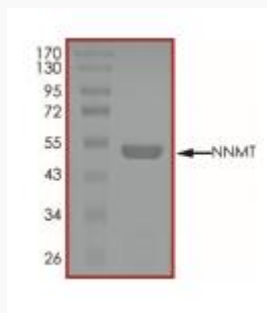
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conjugation, organism-specific biosystem;

Function

methyltransferase activity; nicotinamide N-methyltransferase activity; transferase activity;



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