

**Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT)**  
**NNMT**  
**Catalog # PBV10886r****Specification**

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**Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT) - Product info**

Primary Accession	<a href="#">P40261</a>
Concentration	3.42
Calculated MW	31.7 kDa (263aa + NT 6xHis-tag) KDa

**Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT) - Additional Info**

Gene ID	4837
Gene Symbol	NNMT
<b>Other Names</b>	
NNMT	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	N/A;
Recombinant	Yes
<b>Target/Specificity</b>	
NNMT	

**Format**

Liquid

**Storage**

-80°C; 3.42 mg/ml solution in 25 mM Tris (pH8.0) buffer containing 20% glycerol

**Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT) - Images****Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT) - Background**

N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. NNMT is an important cytosolic methyltransferase catalyzing the N-methylation of nicotinamide, pyridines and structural analogs, playing a crucial role in the biotransformation and detoxification of many xenobiotic compounds. In the N-methylation process, NNMT uses S-adenosyl methionine as the methyl donor and nicotinamide as methyl acceptor. NNMT is mostly expressed in the liver, and a lower expression is seen in the kidney, lung, skeletal muscle, placenta and heart. It may also play an important role in regulating biological processes related to N-methyl nicotinamide such as anti-inflammatory, anti-thrombotic, vasoprotective, and gastroprotective properties. Increased NNMT activity was reported in many kinds of tumors. NNMT is a potential biomarker and therapeutic target in cancer diagnosis and treatment. NNMT serum levels have significance in the premature detection and in the management of patients with colorectal cancer. The recombinant protein includes hNNMT with N-terminal His-tag.

#### **Nicotinamide N-Methyltransferase, Human recombinant protein (hNNMT) - References**

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