

Product information

NNMT, 1-264aa

Human, His tagged, Recombinant, *E.coli*

Cat. No. IBATGP3681

Full name: Nicotinamide N-methyltransferase

NCBI Accession No.: NP_006160

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. Recombinant human NNMT protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

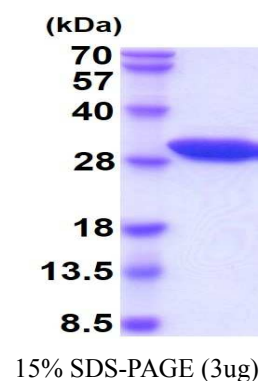
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Molecular Weight: 37.7 kDa (284aa), confirmed by MALDI-TOF

Purity: > 95% by SDS-PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Biological 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.



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MESGFTSKDT YLSHFNPRDY LEKYYKFGSR HSAESQILKH LLKNLFKIFC LDGVKGDLLI DIGSGPTIYQ
 LLSACESFKE IVVTDYSDQN LQELEKWLKK EPEAFDWSVP VTYVCDLEGN RVKGPEKEEK LRQAVKQVLK CDVTQSQPLG AVPLPPADCV
 LSTLCLDAAC PDLPTYCRAL RNLGSLKPG GFLVIMDALK SSYMIGEQQ FSSLPLGREA VEA AVKEAGY TIEWFEVISQ SYSSTMANNE
 GLFSLVARKL SRPL

General references:

Parsons RB., *et al.* (2002). *J Neuropathol Exp Neurol.* 61(2):111-24.

Smith ML., *et al.* (1998). *Biochim Biophys Acta.* 1442(2-3):238-44.

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.