

**Human Nicotinamide N-Methyltransferase / NNMT Recombinant Protein, Bioactive
(TBP0002, Store at -20°C ~ -80°C)**

Catalog	Unit
TBP0002-20UG	20 µg
TBP0002-100UG	100 µg
TBP0002-500UG	500 µg

Product 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 chromatography. This enzyme is validated for NNMT activity application.

Product Details

Expression System: E. coli.

Domain: 1-264aa.

UniProt No: P40261.

Alternative Names: Nicotinamide N-methyltransferase/ NNMT.

Product Specification

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

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

Formulation: Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, No DTT.

Purity: > 95% by SDS-PAGE.

Tag: His-Tag.

Biological Activity: Specific activity is > 100nmol/min/mg, and is defined as the amount of enzyme that transfer 1.0nmole of methyl group per minute at 37°C.

Storage Condition: Store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

Amino acid Sequence:

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

Applications

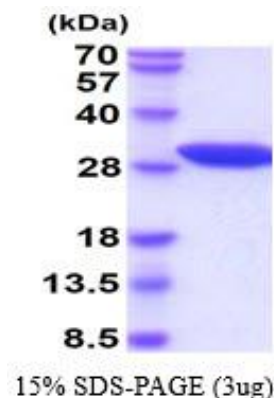
Enzyme Activity, and protein assay by SDS-PAGE

Data

3µg by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

Relative Products

TBP0001	Amyloid b peptide human (1-40)
TBP0003	AHCY



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