

## 32-2610: NNMT Recombinant Protein

**Alternative Name :** Nicotineamide N-methyltransferase, NNMT.

### Description

Source : Escherichia Coli. NNMT Human Recombinant fused with 20 amino acid His-Tag tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing a total of 284 amino acids (1-264 a.a.) and having a molecular mass of 31.7 kDa. The NNMT is purified by proprietary chromatographic techniques. NNMT is part of the family of transferases, especially those transferring one-carbon group methyltransferases. NNMT is mostly 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 significant for biotransformation of many drugs and xenobiotic compounds. NNMT is accountable for the enzymatic activity which uses S-adenosyl methionine as the methyl donor. NNMT expression is related with tumor stage and DFS time in hepatocellular carcinoma cases. NNMT is a good candidate as a tumor marker of various kinds of cancers. NNMT serum levels have significance in the premature detection and in the management of patients with colorectal cancer.

### Product Info

**Amount :** 25 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The NNMT solution contains 20mM Tris pH 8.0 & 20% glycerol.

**Storage condition :** NNMT although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MESGFTSKDT YLSHFNPRDY LEKYYKFGSR HSAESQILKH LLKNLFKIFC LDGVKGDLLI DIGSGPTIYQLLSACESFKE IVVTDYSDQN LQELEKWLLK EPEAFDWSPV VTYVCDLEGN RVKGPKEEEK LRQAVKQVLK CDVTQSQPLG AVPLPPADCV LSTLCLDAAC PDLPTYCRAL RNLGSLKPG GFLVIMDALK SSYYMIGEOK FSSLPLGREA VEA AVKEAGY TIEWFEVISQ SYSSTMANNEGLFSLVARKL SRPL.

