

32-6862: NNMT Mouse

Alternative Name : Nicotinamide N-methyltransferase , Nnmt, icotinamide N-methyltransferase isoform1.

Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

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.

NNMT Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 288 amino acids (1-264a.a) and having a molecular mass of 32.1kDa. NNMT is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : NNMT protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0), 10% glycerol and 1mM DTT.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHEMESGFT SKDTYLSHFN PRDYLEKYYS FGSRHCAENE ILRHLLKNLF KIFCLGAVKG ELLIDIGSGP TIYQLLSACE SFTEIIVSDY TDQNLWELQK WLKKEPGAFD WSPVVTVVCD LEGNRMKGPE KEEKLRAIK QVLKCDVTQS QPLGGVSLPP ADCLLSTLCL DAACPDLPAY RTALRNLGSL LKPGGFLVMV DALKSSYYMI GEQKFSSLPL GWETVRDAVE EAGYTIEQFE VISQNYSSSTT SNNEGLFSLV GRKPRSE.