

Nnmt, 1-264aa, Mouse, His-tag, E.coli

Cat.NO.: TP03182

3th Edition

Synonyms:Nicotinamide N-methyltransferase isoform1

Description:Nnmt, also known as Nicotinamide N-methyltransferase isoform1, is 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 mouse Nnmt, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl (pH8.0) containing 10% glycerol,1mM DTT

Molecular Weight:32.1 kDa (288aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMESGFTSKDTYLSHFNPRDYLEKYYSFGSRHCAENEILRHLLKNLFKIFCL
GAVKGELLIDIGSGPTIYQLLSACESFTEIIVSDYTDQNLWELQKWLKKEPGAFDWSPVVTYVCDLEGNRMKGPEKE
EKLRRAIKQVLKCDVTQSQPLGGVSLPPADCLLSTLCLDAACPDLPAYRTALRNLGSLKPGGFLVMVDALKSSYY
MIGEQKFSSLPLGWETVRDAVEEAGYTIEQFEVISQNYSSSTTSNNEGLFSLVGRKPRSE

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.