

NMT1, 1-496aa, Human, His tag, E.coli

Cat.NO.: TP03179

3th Edition

Synonyms:Glycylpeptide N-tetradecanoyltransferase 1, NMT, Myristoyl-CoA:protein N-myristoyltransferase 1

Description:Myristate, a rare 14-carbon saturated fatty acid, is cotranslationally attached by an amide linkage to the N-terminal glycine residue of cellular and viral proteins with diverse functions. N-myristoyltransferase catalyzes the transfer of myristate from CoA to proteins. N-myristoylation appears to be irreversible and is required for full expression of the biologic activities of several N-myristoylated proteins, including the alpha subunit of the signal-transducing guanine nucleotide-binding protein (G protein) GO. Recombinant human NMT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffered saline (pH7.4)

Molecular Weight:59.2 kDa (519 aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMADSEAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGLSPA
NDTGAKKKKKKQKKKKEKGETDSAQDQPVKMNSLPAERIQEIQAIELFSVGQGPATMEEASKRSYQFWDTP
VPKLGVEVNTGHPVEPKDNIRQEPYTLPPGFTWDALDLGDRGVLKELYLLNENYVEDDDNMFRFDYSPEFLLW
ALRPPGWLPQWHCGVRVSSRKLGVFISAIPANIHIYDTEKKMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQ
AVYTAGVVLPKPVGTCRYWHRSLNPRKLIEVKFSLSRNMTMQRTMKLYRLPETPKTAGLRPMETKDIPVVHQLLT
RYLKQFHLTPVMSQEEVEHWFPQENIIDTFVVENANGEVTDFLSFYTLPTIMNHPTHKSLKAAYSFYNVHTQTPL
LDLMSDALVLAKMKGFDVFNALDLMENKTFLEKLKFGIGDGNLQYYLYNWKCPMSMGAEKVGLVLQ

Purity:> 95% by HPLC

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

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.