
Product Data Sheet

Product Name: NMT1 Human
 Cat. No.: GP22005
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	N-Myristoyltransferase 1; NMT; Myristoyl-CoA:Protein N-Myristoyltransferase 1; Type I N-Myristoyltransferase; EC 2.3.1.97; Myristoyl-CoA:Protein;N- Myristoyltransferase; Glycylpeptide N-Tetradecanoyltransferase 1;Peptide N-Myristoyltransferase 1;Alternative; Short Form NMT-S; Short Form NMT-S;Long Form; NMT-L; Alternative; Long Form; NMT-L; NMT 1.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMADSET AVKPPAPPLP QMMEGNGNGH EHCSDCENEE DNSYNRGGLS PANDTGAKKK KKKQKKKKEK GSETDSAQDQ PVKMNSLP AE RIQEIQAIE LFSVGQPAK TMEEASKRSY QFWDTPVPK LGEVVNTHGP VEPDKDNIRQ EPYTL PQGFT WDALDLGDRG VLKELYLLN ENYVEDDDNM FRFDYSPEFL LWALRPPGWL PQWHCGVRVW SSRKLVGFIS AIPANIHIYD TEKKMVEINF LCVHKKLR SK RVAPVLIREI TRRVHLEGIF QAVYTAGVVL PKPVGTCRYW HRSLNPRKLI EVKFSHLSRN MTMQRTMKLY RLPETPKTAG LRPMETKDIP VVHQLLTRYL KQFHLTPVMS QEEVEHWFYP QENIIDTFVV ENANGVTFD LSFYTL PSTI MNHPHKS LK AAYSFYNVHT QTPLLDLMSD ALVLAKMKGF DVFNALDLME NKTFLKLF GIGDGNLQYY LYNWKCP SMG AEKVGLVLQ.</p>		
Formulation	NMT1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4).		

Introduction

Myristate, a rare 14-carbon saturated fatty acid, is co-translationally attached by an amide linkage to the N-terminal glycine residue of cellular & viral proteins with various functions. N-Myristoyltransferase 1, also known as NMT1 catalyzes the transfer of

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myristate from CoAto proteins. NMT1 seems to be irreversible and is essential for full expression of the biologic activities of several N-myristoylated proteins, as well as the alpha subunit of the signal-transducing guanine nucleotide-binding protein, G protein.

Stability

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.

Background

NMT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 519 amino acids (1-496 a.a) and having a molecular mass of 59.2kDa. NMT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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