

Product datasheet for PH300594

OriGene Technologies, Inc.

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NMT1 (NM 021079) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

NMT1 MS Standard C13 and N15-labeled recombinant protein (NP_066565) **Description:**

Species: Human **HEK293 Expression Host:**

Expression cDNA Clone

RC200594

or AA Sequence:

Protein Sequence:

56.6 kDa

Predicted MW:

>RC200594 representing NM_021079 Red=Cloning site Green=Tags(s)

MADESETAVKPPAPPLPOMMEGNGNGHEHCSDCENEEDNSYNRGGLSPANDTGAKKKKKKKKKKKKKKSE TDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQGPAKTMEEASKRSYQFWDTQPVPKLGEVVNTHGPVEP DKDNIRQEPYTLPQGFTWDALDLGDRGVLKELYTLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPQW HCGVRVVSSRKLVGFISAIPANIHIYDTEKKMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQAV YTAGVVLPKPVGTCRYWHRSLNPRKLIEVKFSHLSRNMTMQRTMKLYRLPETPKTAGLRPMETKDIPVVH QLLTRYLKQFHLTPVMSQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTLPSTIMNHPTHKSLKAAY SFYNVHTQTPLLDLMSDALVLAKMKGFDVFNALDLMENKTFLEKLKFGIGDGNLQYYLYNWKCPSMGAEK

VGLVLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

C-Myc/DDK Tag:

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stable for 3 months from receipt of products under proper storage and handling conditions. Stability:

RefSeq: NP 066565

RefSeq Size: 4903 RefSeq ORF: 1488





 Synonyms:
 NMT

 Locus ID:
 4836

 UniProt ID:
 P30419

 Cytogenetics:
 17q21.31

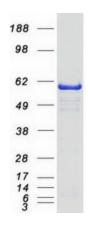
Summary: Myristate, a rare 14-carbon saturated fatty acid, is cotranslationally attached by an amide

linkage to the N-terminal glycine residue of cellular and viral proteins with diverse functions. N-myristoyltransferase (NMT; EC 2.3.1.97) 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 (GNAO1; MIM 139311)

(Duronio et al., 1992 [PubMed 1570339]).[supplied by OMIM, Nov 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified NMT1 protein (Cat# [TP300594]). The protein was produced from HEK293T cells transfected with NMT1 cDNA clone (Cat# [RC200594]) using MegaTran 2.0 (Cat# [TT210002]).