

Product datasheet for PH300594

NMT1 (NM_021079) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NMT1 MS Standard C13 and N15-labeled recombinant protein (NP_066565)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200594
Predicted MW:	56.6 kDa
Protein Sequence:	>RC200594 representing NM_021079 Red=Cloning site Green=Tags(s)

MADESETAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGLSPANDTGAKKKKKQKKKKEKGSE
TDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQPAKTMEEASKRSYQFWDTPVPKLGVEVNTHGVPVEP
DKDNIRQEPYTLPGFTWDALDLGDRGVLKELYTLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPQW
HCGVRVSSRKL VGFISAIPANIHIYDTEKKMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQAV
YTAGVVLKPKVGTCRYWHRSLNPRKLIKVKFVSHLSRNMTMQRTMKLYRLPETPKTAGLRPMETKDIPVVH
QLLTRYLKQFHLTPVMSQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTLPSTIMNHPTHKSLKAAAY
SFYNVHTQTPLLDLMSDALVLAKMKGFDFNALDLMENKTFLEKLFKFGIGDGNLQYYLYNWKCPMGAEK
VGLVLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_066565
RefSeq Size:	4903
RefSeq ORF:	1488



[View online »](#)

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]).