

## Product datasheet for TP300594L

### NMT1 (NM\_021079) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human N-myristoyltransferase 1 (NMT1), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC200594 representing NM_021079 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MADESETAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGGLSPANDTGAKKKKKKQKKKKEKGSE TDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQGPACTMEEASKRSYQFWDTPVPKLGEVNTHGPVEP DKDNIRQEPYTLPGFTWDALDLGDRGVLKELYLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPQW HCGVRVSSRKLGVFISAIPANIHIDTEKKMVEINFLCVHKKLRSKRVPVLIREITRRVHLEGIFQAV YTAGVVLKPKVGTCRYWHRSLNPRKLIIEVKFSHLSRNMTRTMKLYRLEPETKTAGLRPMETKDIPVVH QLLTRYLKQFHLTPVMSQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTLPTSTIMNHPHKSLSKAAAY SFYNVHTQTPLLDLMSDALVLAKMKGFDFVFNALDLMENKTFLEKLFKFGIDGNLQYYLYNWKCPMGAEK VGLVLQ</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	56.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_066565](#)

Locus ID: 4836

UniProt ID: [P30419](#)

RefSeq Size: 4903

Cytogenetics: 17q21.31

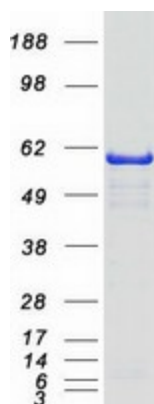
RefSeq ORF: 1488

Synonyms: NMT

**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]).