

## **Product datasheet for TP300594**

#### OriGene Technologies, Inc.

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human N-myristoyltransferase 1 (NMT1), 20 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC200594 representing NM\_021079 or AA Sequence: Red=Cloning site Green=Tags(s)

**GSE** 

TDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQGPAKTMEEASKRSYQFWDTQPVPKLGEVVNTHGPVEP DKDNIRQEPYTLPQGFTWDALDLGDRGVLKELYTLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPQ

W

HCGVRVVSSRKLVGFISAIPANIHIYDTEKKMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQAV YTAGVVLPKPVGTCRYWHRSLNPRKLIEVKFSHLSRNMTMQRTMKLYRLPETPKTAGLRPMETKDIPVVH QLLTRYLKQFHLTPVMSQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTLPSTIMNHPTHKSLKAAY SFYNVHTQTPLLDLMSDALVLAKMKGFDVFNALDLMENKTFLEKLKFGIGDGNLQYYLYNWKCPSMGAE

Κ

**VGLVLQ** 

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

Tag: C-Myc/DDK
Predicted MW: 56.6 kDa

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

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.





### NMT1 (NM\_021079) Human Recombinant Protein - TP300594

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 066565

 Locus ID:
 4836

 UniProt ID:
 P30419

 RefSeq Size:
 4903

 Cytogenetics:
 17q21.31

RefSeq ORF: 1488 Synonyms: NMT

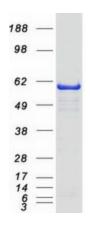
**Summary:** Myristate, a rare 14-carbon saturated fatty acid, is cotranslationally attached by an amide

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]).