

Product datasheet for TP300594

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 or AA Sequence:	>RC200594 representing NM_021079 Red =Cloning site Green =Tags(s)

MADESETAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGGLSPANDTGAKKKKKKQKKKKEK
GSE
TDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQGPAKTMEEASKRSYQFWDTPVVKLGEVNTHGVPVEP
DKDNIRQEPYTLPGFTWDALDLGDRGVLKELYLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPO
W
HCGVRVSSRKLGVFISAIPANIHIYDTEKKMVEINFLCVHKKLRSKRVPVLIRESITRRVHLEGIFQAV
YTAGVVLKPKVGTCRYWHRSLNPRKLIIEVKFSLSRNMTMQRTMKLYRLPETPKTAGLRPMETKDIPVVH
QLLTRYLKQFHLTPVMSQEEVEHWFPQENIIDTFVENANGEVTDFLSFYTLPTIMNHPHKSLSKAAAY
SFYNVHTQTPLLDLMSDALVLAKMKGFDVFNALDLMENKTFLEKLFKFGIGDGNLQYYLYNWKCPMSGAE
K
VGLVLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.



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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]).