

Product datasheet for **RG202876**

NMT2 (NM_004808) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NMT2 (NM_004808) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NMT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG202876 representing NM_004808
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGGACAGCGAGTCTGCGGCCAGCCAGCAGACGCTGGAAGTGGACGACCAGGACACGTGCGGGA
 TAGACGGGACAATGAGGAGGAGACGGAGCACGCCAAAGGAAGTCTGGAGGGTATTTGGGAGCCAAAAA
 GAAAAAGAAAGAAACAGAAAGAAAAAGGAGAAACCAAAATTCGAGGACCAAGTCAGACTCGGCATCT
 GATTTCCAGGAGATTAATAATTCAGCAGCCTTCGAAAAATCCAGTGTTCATGCAGAAAGTTCAGGATA
 TCCAGAGAGCAATGGAGCTGCTATCCGCATGCCAGGGCCAGCCAGGAACATTGATGAGGCTGCAAAGCA
 CAGATACCAGTTTTGGGACACACAACCGGTACCAAACTAGATGAAGTCATAACATCTCATGGTGAATT
 GAACCAGATAAAGACAACGTACGCCAAGAACCGTATTCTTTGCCACAGGGTTTTATGTGGGACACTTTAG
 ACTTGAGTGATGCCGAAGTGCTCAAGGAGTTATACACGTTGTTAAATGAGAATTACGTAGAAGATGATGA
 CAATATGTTCCGATTTGACTATTCACCCGAGTTCTGTGTGGGCTCTGCGTCCACCAGGCTGGCTCCTG
 CAGTGGCACTGTGGGGTCAGAGTGTCTTCAAATAAAAACTGGTGGGTTTCATAAGTGCCATCCCAGCAA
 ACATTCGGATTTATGACAGTGTGAAGAAGATGGTAGAAATCAACTTTCTTTGTGTTCATAAGAAGTTGAG
 ATCGAAACGGGTAGCCCCAGTGTAATCCGAGAGATCACTAGAAGAGTGAACCTGGAAGGGATCTCCAG
 GCTGTGTACACCGCGGGAGTGGTTCTTCTAAGCCCATAGCCACATGCAGATACTGGCATCGATCACTAA
 ACCCCAAAAAATGGTAGAAGTGAATTTTCTCACTTGTAGTAAATATGACTTTACAGAGAACAAATGAA
 GCTATACAGACTTCCAGATGTTACAAAGACTTCAGGTTTGAGACCAATGGAACAAAAGATATCAATCA
 GTTCGAGAATTAATCAACTTACCTGAAGCAGTTTCACTGGCTCCAGTGATGGATGAAGAGGAAGTAG
 CCCACTGGTTCCCTCCCGGGAGCACATTATTGACACGTTTGTAGTGGAGAGCCCCAACGGTAAACTGAC
 TGATTTCTGAGCTTCTATACGCTCCCTCCACGGTGATGCACCACCCTGCTCACAAGAGCCTCAAAGCC
 GCCTACTCATTCTACAACATCCACACAGAGACGCCCTGCTGGACCTCATGAGCGACGCGCTCATCTGG
 CTAATAACGAAAGGATTTGATGTATTCAATGCACTGGATTTGATGGAAAATAAGACATTCTTGAAAAACT
 CAAGTTTGGTATAGGAGATGGCAATTTGCAGTATTACCTGTACAATTGGAGGTGTCCAGGTACAGATTCT
 GAAAAGGTTGGACTAGTACTACAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202876 representing NM_004808
 Red=Cloning site Green=Tags(s)

MAEDSESAASQSQSLELDDQDTCGIDGDNEEETEHAKGSPGGYLGAKKKKKKQKRKKEKPNSSGGTKSDSAS
 DSQEIKIQPSKNPSPVMQKLQDIQRAMELLSACQGPARNIDEAAKHRYQFWDTPVVKLDEVITSHGAI
 EPDKDNVRQEPYSLPQGFMDLTLSDAEVLKELYTLLENYVEDDDNMFRFDYSPEFLWALRPPGWLL
 QWHCGVRVSSNKKLVGFIISAIPANIRIYDSVKKMVEINFLCVHKKLRSKRVAPVLIREITRRVNLEGIFQ
 AVYTAGVVLPKPIATCRYWHRSLNPKKLVKFSHL SRNMTLQRTMKLYRLLPDVTKTSGLRPMEPKDIKS
 VRELINTYLYKQFHLAPVMDEEEVAHWFLPREHIIDTFVVE SPNGKLTDFLSFYTL PSTVMHHPAHKSLKA
 AYSFYNIHTETPLLDLMSDALILAKSKGDFVFNALDLMENKTFLEKLFKFGIGDGNLQYYLYNWRCPGTD
 S
 EKVGLVLQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004808

ORF Size: 1494 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004808.2](#), [NP_004799.1](#)

RefSeq Size: 5004 bp

RefSeq ORF: 1497 bp

Locus ID: 9397

UniProt ID: [O60551](#)

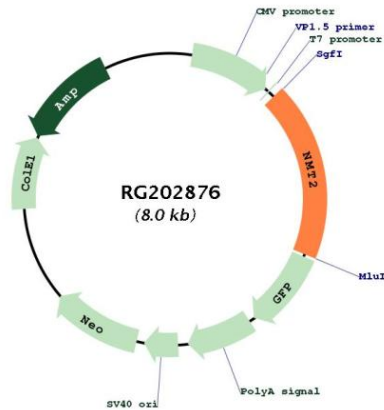
Cytogenetics: 10p13

Domains: NMT

Protein Families: Druggable Genome

Gene Summary: This gene encodes one of two N-myristoyltransferase proteins. N-terminal myristoylation is a lipid modification that is involved in regulating the function and localization of signaling proteins. The encoded protein catalyzes the addition of a myristoyl group to the N-terminal glycine residue of many signaling proteins, including the human immunodeficiency virus type 1 (HIV-1) proteins, Gag and Nef. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for RG202876