

Product datasheet for **MG224844**

Nmt2 (NM_008708) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt2 (NM_008708) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nmt2
Synonyms:	A930001K02Rik; AI605445; AU044698; hNMT-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224844 representing NM_008708
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGACAGCGAGTCTGCGGCCAGCCAGCAGACCTAGAGCTGGACGACCAGGACACGTGCGGAA
 TAGACGGAGACAATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAA
 GAAAAAGAAACAAAAAGAGAAAAAGGAGAAGCCAAATTCTGGGGGTACCAAGTCCGACTCTGCATCT
 GACTCCCAGGAGATTAAGATTTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTCAGCAGGAG
 CAGCCATGGGTGGTACTACTATGGAAGTGAATGGATAGATTTAAGAATGTATCATAAGAATCCCACCAT
 CCCTATTCAGAAGCTACAAGACATCCAGAGAGCAATGGAGCTGCTGTCTGCATGCCAAGGCCAGCCAGG
 AACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGACACACAGCCAGTCCCAAATTGAATGAAG
 TCATAACATCTCATGGTCAATTGAACCAGACAAAGACAATATCCGCCAGGAACCATATTCTTTGCCGA
 AGGTTTTATGTGGACACTTTAGACTTGAGTAATGCCAAGTGTGAAGGAGCTGTATACGTTGCTGAAT
 GAGAAATATGTGGAAGACGATGACAATATGTTCCGCTTTGACTATTCACCTGAGTTTCTGCTGTGGGCTC
 TGCGCCCCCAGGATGGCTTCTGCAAGTGGCACTGTGGAGTCCGAGTGTCTTCAAATAAAAAGTTAGTAGG
 TTTCATAGTGCCATTCCAGCAAACATCCGAATTTATGATAGTGTGAAGAGGATGGTAGAAATCACTTT
 CTTTGTGTCCATAAGAACTGAGATCAAACCGGTAGCCCCAGTGTGATTCGAGAAATAACCAGAAGAG
 TGAACCTGGAAGGCATCTTTACGGCTGTGTACTGCGGGAGTAGTCTTCTCTAAGCCTGTGGCCACTTG
 CAGGATTTGGCACCGATCCCTAAACCCAGGAACTGGTGAAGTGAATTTTCTCACCTGAGTAGAAAC
 ATGACCTTACAGAGAACGATGAAGCTTTACAGACTTCCAGATGTTACAAAGACTTCAGGTTTGAGACCAA
 TGAACCAAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATCTACTTGAAGCAGTTTCATCTAGCTCC
 AGTGATGGATGACGCAGAAGTGGCCCACTGGTTCCCTGCCAGGGAGCACATCATTGACACGTTTGTAGTG
 GAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACACTCTCCCTCCACGTTATGCACCACC
 CAGCTCACAAAAGCCTCAAGGCTGCCTATTCTTCTACAACATTCACACAGAGACACCCCTGCTGGACCT
 CATGAATGATGCGCTCATTATAGCCAAATTGAAAGGATTTGATGTGTTCAATGCACTAGATTTGATGGAA
 AATAAGACCTTCTGGAAAACTAAAGTTTGGTATAGGAGATGGCAACTTACAGTATTATTTGTACAAC
 GGAGGTGCCAGGACAGACTCTGAAAAGTTGGACTTGTCTACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224844 representing NM_008708
 Red=Cloning site Green=Tags(s)

MAEDSESAASQQSLELDDQDTCGIDGDNEEETEHAHGKSPGGDLGAKKKKKKQKRKKEKPNSSGKSDSAS
 DSQEIKIQSSKHNAIWQQISAGAAMGGDTMEGEWIDL RMYHKNPTIPIQKLQDIQRAMELLSACQGP
 NIDEATKRRYQFWDTPVPKLNVEITSHGAI EPKDNIRQEPYSLPQGF MWDTLDSLNAEVLKELYLLN
 ENYVEDD NMFRFDYSPEFLWALRPPGWLLQWHCGVRVSSNKLVGFISAIPANIRIYDSVKRMVEINF
 LCVHKKLRSKRVAPVLIREITRRVNLEGIFQAVYTAGVVL PKPVATCRYWHRSLNPRKLVKFSHLSRN
 MTLQRTMKLYRLPDVTKTSGLRPMEPKDIKAVREL INIYLKQFHLAPVMDDAEVAHWFLPREHIIDTFV
 ENPSGKLTDFLSFYTL PSTVMHHPAHKSLKAAYSFYNIHTETPLLDLMDALI IAKLKGFDVFNALDLME
 NKTFLEKLFKFGIDGNLQYYL YNWRCPTDSEKVGVLVQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_008708

ORF Size: 1587 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_008708.2](#), [NP_032734.1](#)

RefSeq Size: 1877 bp

RefSeq ORF: 1590 bp

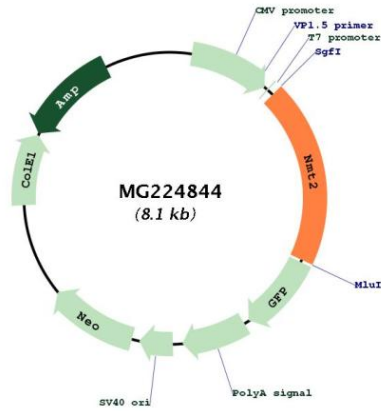
Locus ID: 18108

UniProt ID: [O70311](#)

Cytogenetics: 2 A1

Gene Summary: Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224844