

Product datasheet for **MG207777**

Nmt2 (BC037647) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt2 (BC037647) 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:

>MG207777 representing BC037647
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAAAGAAAAAGAGAA
 AAAAAAGAGAAAAAGGAGAAGCCAAATTTGGGGGTACCAAGTCCGACTCTGCATCTGACTCCCAGGAG
 ATTAAGATTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTTTCCAGCAGGAGCAGCCATGGAAT
 CCCACCATCCCTATTCAGAAGCTACAAGACATCCAGAGAGCAATGGAGCTGCTGTCTGCATGCCAAGGCC
 CAGCCAGGAACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACACACAGCCAGTCCCAAATT
 GAATGAAGTCATAACATCTCATGGTGAATTGAACCAGACAAAGACAATATCCGCCAGGAACCATATTCT
 TTGCCGAAGTTTTATGTGGGACACTTAGACTTGAGTAAATGCCGAAGTCTGAAGGAGCTGTATACGT
 TGCTGAATGAGAATTATGTGAAGACGATGACAATATGTTCCGCTTTGACTATTCACCTGAGTTTCTGCT
 GTGGGCTCTGCGCCCCCAGGATGGCTTCTGCAGTGGCACTGTGGAGTCCGAGTGTCTTCAAATAAAAAAG
 TTAGTAGTTTTTATAAGTCCATTCCAGCAAACATCCGAATTTATGATAGTGTGAAGAGGATGGTAGAAA
 TCAACTTTCTTTGTGCCATAAGAACTGAGATCAAAACGGGTAGCCCCAGTGTTGATTCGAGAAAATAAC
 CAGAAGAGTGAACCTGGAAGGCATCTTTCAGGCTGTGATACTGCGGGAGTAGTCTTCTAAGCCTGTG
 GCCACTTGCAGGTATTGGCACCAGTCCCTAAACCCAGGAAACTGGTGGAAAGTGAATTTTCTCACCTGA
 GTAGAAACATGACCTTACAGAGAACGATGAAGCTTACAGACTCCAGATGTTACAAAGACTTCAGGTTT
 GAGACCAATGGAACAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATCTACTTGAAGCAGTTTCAT
 CTAGCTCCAGTGTGGATGACGCAAGTGGCCACTGGTTCCTGCCAGGGAGCACATCATTGACACGT
 TTGTAGTGGAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACACTCTCCCCTCCACGGTTAT
 GCACCCAGCTCACAAAAGCCTCAAGGCTGCCTATTCTTCTACAACATTCACACAGAGACACCCTG
 CTGGACCTCATGAATGATGCGCTCATTATAGCCAAATTGAAAGGATTTGATGTGTTCAATGCACTAGATT
 TGATGGAAAATAAGACCTTCTTGAAAACTAAAGTTTGGTATAGGAGATGGCAACTTACAGTATTATT
 GTACAACGGAGGTGCCAGGGACAGACTCTGAAAAGGTTGGACTTGTCTACAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207777 representing BC037647
 Red=Cloning site Green=Tags(s)

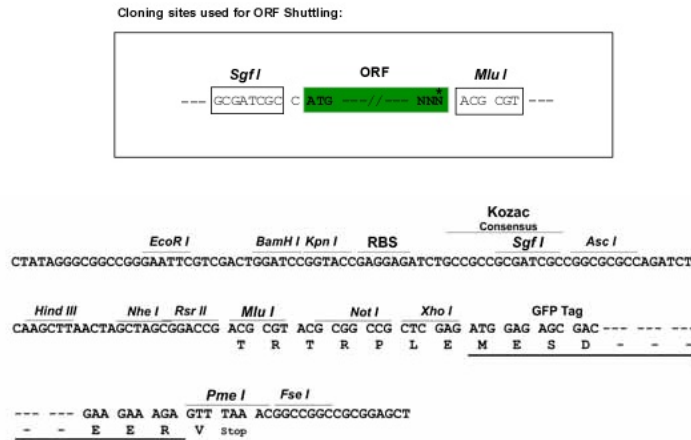
MRRRPNTPKALEGIWEQKRKRNRKREKRRSQILGVPSPTLHLTPRRLRFSSLLNTTPSGSRFQQEQPWN
 PTIPIQKLQDIQRAMELLSACQGPARNIDEATKRRYQFWDTPVPKLNVEITSHGAIEPKDNIRQEPYS
 LPQGFMDTLDLSNAEVLKELYLLNENYVEDDMMFRFDYSPEFLWLRPPGWLLQWHCGVVRVSNKK
 LVGFISAIPANIRIYDSVKRMVEINFLCVHKKLRSKRVAPVLIREFITRRVNLEGIQAVYTAGVVLPKPV
 ATCRYWHRSLNPRKLEVKFSLSRNMTLQRTMKLYRLPDVTKTSGLRPMEPKDIKAVRELINIYLKQFH
 LAPVMDDAEVAHWFLPREHIIDTFVVENPSGKLTDFLSFYTLPTVMHHPAHKSLKAAYSFYNIHTETPL
 LDLMNDALIIAKLKGFDVFNALDLMENKTFLEKLFKFGIDGNLQYYLYNWRCPGTDSEKVLVLQ

TRTRPLE – GFP Tag – V

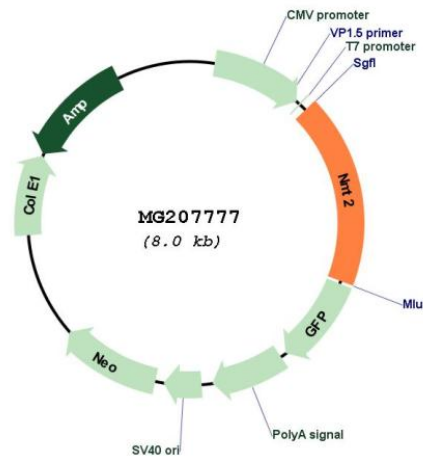
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC037647

ORF Size: 1457 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: [BC037647](#), [AAH37647](#)

RefSeq Size: 1709 bp

RefSeq ORF: 1457 bp

Locus ID: 18108

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]