

Product datasheet for **MR207777**

Nmt2 (BC037647) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt2 (BC037647) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmt2
Synonyms:	A930001K02Rik; AI605445; AU044698; hNMT-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207777 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAAAGAAAAAGAGAA
 AAAAAAGAGAAAAAGGAGAAGCCAAATCTGGGGGTACCAAGTCCGACTCTGCATCTGACTCCCAGGAG
 ATTAAGATTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTTAGCAGGAGCAGCCATGGAAT
 CCCACCATCCCTATTCAGAAGCTACAAGACATCCAGAGCAATGGAGCTGCTGTCTGCATGCCAAGGCC
 CAGCCAGGAACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACACACAGCCAGTGCCCAAATT
 GAATGAAGTCATAACATCTCATGGTGAATTGAACCAGACAAAGACAATATCCGCCAGGAACCATATTCT
 TTGCCGAAGTTTTATGTGGGACACTTAGACTTGAGTAATGCCGAAGTCTGAAGGAGCTGTATACGT
 TGCTGAATGAGAATTATGTGAAGACGATGACAATATGTTCCGCTTTGACTATTCACCTGAGTTTCTGCT
 GTGGGCTCTGCGCCCCCAGGATGGCTTCTGCAGTGGCACTGTGGAGTCCGAGTGTCTTCAAATAAAAAG
 TTAGTAGTTTTATAAGTGCCATTCCAGCAAACATCCGAATTTATGATAGTGTGAAGAGGATGGTAGAAA
 TCAACTTTCTTTGTGCCATAAGAACTGAGATCAAAACGGGTAGCCCCAGTGTTGATTCGAGAAATAAC
 CAGAAGAGTGAACCTGGAAGGCATCTTTCAGGCTGTGATACTGCGGGAGTAGTTCTTCTAAGCCTGTG
 GCCACTTGCAGGTATTGGCACCATCCCTAAACCCAGGAACTGGTGGAAAGTGAATTTTCTCACCTGA
 GTAGAAACATGACCTTACAGAGAACGATGAAGCTTACAGACTCCAGATGTTACAAAGACTTCAGGTTT
 GAGACCAATGGAACAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATCTACTTGAAGCAGTTTCAT
 CTAGTCCAGTGTGGATGACGAGAAGTGGCCACTGGTTCCTGCCAGGGAGCACATCATTGACACGT
 TTGTAGTGGAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACACTCTCCCCTCCACGGTTAT
 GCACCACCAGCTCACAAAAGCCTCAAGGCTGCCTATTCCTTCTACAACATTCACACAGAGACACCCTG
 CTGGACCTCATGAATGATGCGCTCATTATAGCCAAATTGAAAGGATTTGATGTGTTCAATGCACTAGATT
 TGATGGAAAAAAGACCTTCTTGGAAAACTAAAGTTTGGTATAGGAGATGGCAACTTACAGTATTATTT
 GTACAACGGAGGTGCCAGGGACAGACTCTGAAAAGGTTGGACTTGTCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207777 protein sequence
 Red=Cloning site Green=Tags(s)

MRRRPNTPEALEGIWEQKRKRNRKREKRRSQILGVPSPTLHLTPRRLRFSSLLNTTPSGSRFQQEQPWN
 PTIPIQLQDIQRAMELLSACQGPARNIDEATKRRYQFWDTPVPKLNEVITSHGAIKPDKNIRQEPYS
 LPQGFMDTLDLSNAEVLKELYTLLENYVEDDDNMFRFDYSPEFLLWALRPPGWLLQWHCGVRSNNK
 LVGFISAIPANIRIYDSVKRMVEINFLCVHKKLRSKRVAPVLIREITRRVNLGIFQAVYTAGVVLKPV
 ATCRYWHRSLNPRKLEVKFSLSRNMTLQRTMKLYRLPDVTKTSGLRPMKPKDIKAVRELINIYKQFH
 LAPVMDDAEVAHWFLPREHIIDTFVVENPSGKLTDFLSFYTLPTVMHHPAHKSLKAAYSFYNIHTETPL
 LDLMNDALIIAKLKGFDVFNALDLMENKTFLEKLFKFGIGDGNLQYYLYNWRCPGTDSEKVGVLVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: BC037647

ORF Size: 1455 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

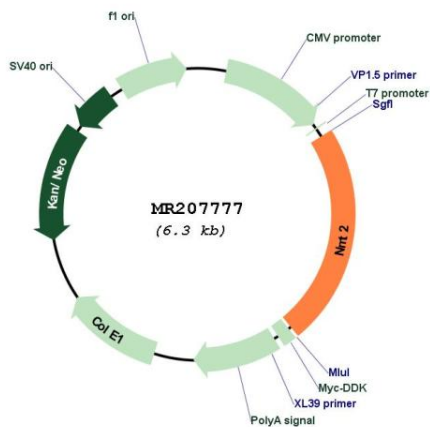
Locus ID: 18108

Cytogenetics: 2 A1

MW: 56.5 kDa

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 MR207777