

Product datasheet for **MR230195**

Nmt2 (NM_001290368) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt2 (NM_001290368) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmt2
Synonyms:	A930001K02Rik; AI605445; AU044698; hNMT-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230195 representing NM_001290368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAAAGAAAAAGAA
 AAAAAAGAGAAAAAGGAGAAGCCAAATCTGGGGGTACCAAGTCCGACTCTGCATCTGACTCCCAGGAG
 ATTAAGATTTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTTTCAGCAGGAGCAGCCATGGGTG
 GTGATACTATGGAAGAATCCCACCATCCCTATTTCAGAAGCTACAAGACATCCAGAGAGCAATGGAGCTGC
 TGTCTGCATGCCAAGGCCAGCCAGGAACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACAC
 ACAGCCAGTGCCCAAATGAATGAAGTCATAACATCTCATGGTCAATTGAACCAGACAAAGACAATATC
 CGCCAGGAACCATATTCTTTGCCGAAGGTTTTATGTGGGACACTTTAGACTTGAGTAATGCCGAAGTGC
 TGAAGGAGCTGTATACGTTGCTGAATGAGAATTATGTGGAAGACGATGACAATATGTTCCGCTTTGACTA
 TTCACCTGAGTTTCTGCTGTGGGCTCTGCGCCCCCAGGATGGCTTCTGCAGTGGCACTGTGGAGTCCGA
 GTGCTTCAAATAAAAAGTTAGTAGGTTTCATAAGTGCCATTCCAGCAAACATCCGAATTTATGATAGTG
 TGAAGAGGATGGTAGAAATCAACTTTCTTTGTGTCCATAAGAAACTGAGATCAAAAACGGGTAGCCCCAGT
 GTTGATTCCGAGAAATAACCAGAAGAGTGAACCTGGAAGGCATCTTTCAGGCTGTGTATACTGCGGGAGTA
 GTTCTTCCTAAGCCTGTGGCCACTTGCAGGATTGGCACCAGTCCCTAAACCCAGGAAACTGGTGGAG
 TGAATTTTCTCACCTGAGTAGAAACATGACCTTACAGAGAACGATGAAGCTTTACAGACTTCCAGATGT
 TACAAAGACTTCAGGTTTGAGACCAATGGAACCAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATC
 TACTTGAAGCAGTTTTCATCTAGCTCCAGTGGATGACGAGAAGTGGCCACTGGTTCTGCTGCCAGGG
 AGCACATCATTGACACGTTTGTAGTGGAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACAC
 TCTCCCTCCACGGTTATGCACCACCCAGCTCACAAAAGCCTCAAGGCTGCCTATTCTCTTACAACATT
 CACACAGAGACCCCCTGCTGGACCTCATGAATGATGCGCTATTATAGCCAAATTGAAAGGATTTGATG
 TGTTCATGCACTAGATTTGATGAAAAATAAGACCTTCTTGAAAAAACTAAAGTTTGGTATAGGAGATGG
 CAACTTACAGTATTATTTGTACAACCTGGAGGTGTCCAGGGACAGACTCTGAAAAGTTGGACTTGTCTCA
 CAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230195 representing NM_001290368
 Red=Cloning site Green=Tags(s)

MRRRPNTPEALEGIWEQKRKRNRKREKRRSQILGVPSPTLHLTPRRLRFSSLLNTPSGSRFQQEQPWV
 VILWKNPTIPIQKLQDIQRAMELLSACQGPARNIDEATKRRYQFWDTPVPKLNVEITSHGAI EPDKDNI
 RQEPYSLPQGFMMWDTLDLSNAEVLKELYTLLENYVEDDDNMFRFDYSPEFLWALRPPGWLLQWHCGVR
 VSSNKKLVGFISAIPANIRIYDSVKRMVEINFLCVHKKLRSKRVAPVLI REITRRVNLEGIFQAVYTAGV
 VLPKPVATCRYWHRSLNPRKLVEVKF SHLSRNMTLQRTMKLYRLPDVTKTSGLRPMEPKDIKAVRELINI
 YLKQFHLAPVMDDAEVAHWFLPREHIDTFVVENPSGKLTDFLSFYTL PSTVMHHPAHKSLKAAYSFYNI
 HTETPLLDLMNDALIIAKLKGFDVFNALDLMENKTFLEKLFKFGIDGNLQYYLYNWRCPGTDSEKVGVLV
 Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

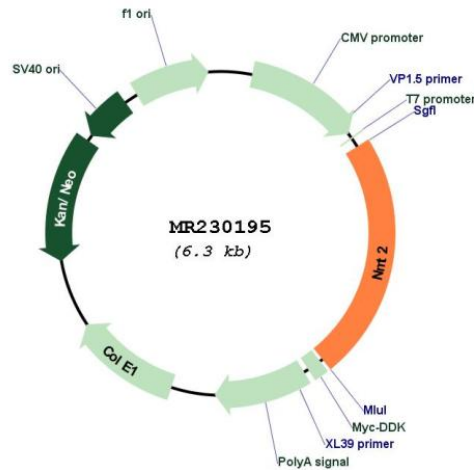
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001290368

ORF Size: 1473 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_001290368.1](#), [NP_001277297.1](#)

RefSeq Size: 4429 bp

RefSeq ORF: 1476 bp

Locus ID: 18108

Cytogenetics: 2 A1

MW: 57.7 kDa

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