

Product datasheet for **MC227984**

Nmt2 (NM_001290368) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt2 (NM_001290368) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC227984 representing NM_001290368
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAAAGAAAAGAAGAA
 AAAAAAGAGAAAAAGGAGAAGCCAAATTCGGGGGTACCAAGTCCGACTCTGCATCTGACTCCCAGGAG
 ATTAAGATTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTTTCCAGCAGGAGCAGCCATGGGTG
 GTGATACTATGGAAGAATCCCACCATCCCTATTCAGAAGCTACAAGACATCCAGAGAGCAATGGAGCTGC
 TGTCTGCATGCCAAGGCCAGCCAGGAACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACAC
 ACAGCCAGTGCCCAAATGAATGAAGTCATAACATCTCATGGTCAATTGAACCAGACAAAGACAATATC
 CGCCAGGAACCATATTCTTTGCCGAAGGTTTTATGTGGGACACTTTAGACTTGAGTAATGCCGAAGTGC
 TGAAGGAGCTGTATACGTTGCTGAATGAGAATTATGTGGAAGACGATGACAATATGTTCCGCTTTGACTA
 TTCACCTGAGTTTCTGCTGTGGGCTCTGCGCCCCCAGGATGGCTTCTGCAGTGGCACTGTGGAGTCCGA
 GTGCTTCAAATAAAAAGTTAGTAGGTTTCATAAGTGCCATTCCAGCAAACATCCGAATTTATGATAGTG
 TGAAGAGGATGGTAGAAATCAACTTTCTTTGTGTCCATAAGAAACTGAGATCAAAAACGGGTAGCCCCAGT
 GTTGATTCCGAGAAATAACCAGAAGAGTGAACCTGGAAGGCATCTTTCAGGCTGTGTATACTGCGGGAGTA
 GTTCTTCCTAAGCCTGTGGCCACTTGCAGGTATTGGCACCCGATCCCTAAACCCAGGAACTGGTGGAAAG
 TGAATTTTCTCACCTGAGTAGAAACATGACCTTACAGAGAACGATGAAGCTTTACAGACTTCCAGATGT
 TACAAAGACTTCAGGTTTGAGACCAATGGAACCAAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATC
 TACTTGAAGCAGTTTCATCTAGCTCCAGTGATGGATGACGCAGAAGTGGCCACTGGTTCCTGCCAGGG
 AGCACATCATTGACACGTTTGTAGTGGAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACAC
 TCTCCCCTCCACGGTTATGCACCACCCAGCTCACAAAAGCCTCAAGGCTGCCTATTCTTCTACAACATT
 CACACAGAGACCCCCTGCTGGACCTCATGAATGATGCGCTCATTATAGCCAAATGAAAGGATTTGATG
 TGTTCAATGCACTAGATTTGATGAAAAAATAGACCTTCTTGAAAAAACTAAAGTTTGGTATAGGAGATGG
 CAACTTACAGTATTATTTGTACAACCTGGAGGTGTCCAGGGACAGACTCTGAAAAGTTGGACTTGTCTCA
 CAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290368
- Insert Size:** 1476 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

Gene Summary: Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral proteins. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site that results in translation initiation at an alternate start codon and a frameshifted 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.