

Product datasheet for **MC227941**

Nmt2 (NM_001290369) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Nmt2 (NM_001290369) 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: >MC227941 representing NM_001290369
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAAAGAAAAAGAAAGAA
 AAAAAAGAGAAAAAGGAGAAGCCAAATCTGGGGGTACCAAGTCCGACTCTGCATCTGACTCCCAGGAG
 ATTAAGATTACAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTTACAGCAGGAGCAGCCATGGAAT
 CCCACCATCCCTATTCAGAAGCTACAAGACATCCAGAGCAATGGAGCTGCTGTCTGCATGCCAAGGCC
 CAGCCAGGAACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACACACAGCCAGTCCCAAATT
 GAATGAAGTCATAACATCTCATGGTGAATTGAACCAGACAAAGACAATATCCGCCAGGAACCATATTCT
 TTGCCGAAGTTTTATGTGGGACACTTAGACTTGAGTAATGCCGAAGTCTGAAGGAGCTGTATACGT
 TGCTGAATGAGAATTATGTGAAGACGATGACAATATGTTCCGCTTTGACTATTCACCTGAGTTTCTGCT
 GTGGGCTCTGCGCCCCCAGGATGGCTTCTGCAGTGGCACTGTGGAGTCCGAGTGTCTTCAAATAAAAAG
 TTAGTAGTTTTATAAGTGCCATTCCAGCAAACATCCGAATTTATGATAGTGTGAAGAGGATGGTAGAAA
 TCAACTTTCTTTGTGCCATAAGAACTGAGATCAAAACGGGTAGCCCCAGTGTTGATTTCGAGAAAATAAC
 CAGAAGAGTGAACCTGGAAGGCATCTTTCAGGCTGTGTATACTGCGGGAGTAGTCTTCTAAGCCTGTG
 GCCACTTGCAGGTATTGGCACCGATCCCTAAACCCAGGAAACTGGTGGAAAGTGAATTTTCTCACCTGA
 GTAGAAACATGACCTTACAGAGAACGATGAAGCTTACAGACTCCAGATGTTACAAAGACTTCAGGTTT
 GAGACCAATGGAACAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATCTACTTGAAGCAGTTTCAT
 CTAGTCCAGTGTGGATGACGCAGAAGTGGCCCACTGGTTCCTGCCAGGGAGCACATCATTGACACGT
 TTGTAGTGGAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACACTCTCCCCTCCACGGTTAT
 GCACCACCAGCTCACAAAAGCCTCAAGGCTGCCTATTCTTCTACAACATTCACACAGAGACACCCTG
 CTGGACCTCATGAATGATGCGCTCATTATAGCCAAATTGAAAGGATTTGATGTGTTCAATGCACTAGATT
 TGATGGAAAATAAGACCTTCTTGGAAAACTAAAGTTTGGTATAGGAGATGGCAACTTACAGTATTATTT
 GTACAACGGAGGTGCCAGGGACAGACTCTGAAAAGGTTGGACTTGTCTACAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001290369
- Insert Size:** 1458 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_001290369.1](#), [NP_001277298.1](#)

RefSeq Size: 4411 bp

RefSeq ORF: 1458 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 (3) lacks an alternate exon that results in translation initiation at an alternate start codon and a frameshifted 5' coding region, compared to variant 1. The encoded isoform (c) 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.