

## Product datasheet for **MR230152**

### **Nmt2 (NM\_001290369) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Nmt2 (NM_001290369) 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:**

>MR230152 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAAAGAAAAAGAGAA  
 AAAAAAGAGAAAAAGGAGAAGCCAAATCTGGGGGTACCAAGTCCGACTCTGCATCTGACTCCCAGGAG  
 ATTAAGATTTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTTTCAGCAGGAGCAGCCATGGAAT  
 CCCACCATCCCTATTCAGAAGCTACAAGACATCCAGAGCAATGGAGCTGCTGTCTGCATGCCAAGGCC  
 CAGCCAGGAACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACACACAGCCAGTGCCCAAATT  
 GAATGAAGTCATAACATCTCATGGTGAATTGAACCAGACAAAGACAATATCCGCCAGGAACCATATTCT  
 TTGCCGAAGTTTTATGTGGGACACTTAGACTTGAGTAATGCCGAAGTCTGAAGGAGCTGTATACGT  
 TGCTGAATGAGAATTATGTGAAGACGATGACAATATGTTCCGCTTTGACTATTCACCTGAGTTTCTGCT  
 GTGGGCTCTGCGCCCCAGGATGGCTTCTGCAGTGGCACTGTGGAGTCCGAGTGTCTTCAAATAAAAAAG  
 TTAGTAGTTTTATAAGTCCATTCCAGCAAACATCCGAATTTATGATAGTGTGAAGAGGATGGTAGAAA  
 TCAACTTTCTTTGTGCCATAAGAACTGAGATCAAAACGGGTAGCCCCAGTGTTGATTTCGAGAAATAAC  
 CAGAAGAGTGAACCTGGAAGGCATCTTTCAGGCTGTGATACTGCGGGAGTAGTCTTCTAAGCCTGTG  
 GCCACTTGCAGGTATTGGCACCGATCCCTAAACCCAGGAAACTGGTGAAGTGAATTTTCTCACCTGA  
 GTAGAAACATGACCTACAGAGAACGATGAAGCTTACAGACTCCAGATGTTACAAAGACTTCAGGTTT  
 GAGACCAATGGAACAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATCTACTTGAAGCAGTTTCAT  
 CTAGTCCAGTGTGGATGACGAGAAGTGGCCCACTGGTTCCTGCCAGGGAGCACATCATTGACACGT  
 TTGTATGGGAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACACTCTCCCCTCCACGGTTAT  
 GCACCACCAGCTCACAAAAGCCTCAAGGCTGCCTATTCCTTCTACAACATTCACACAGAGACACCCTG  
 CTGGACCTCATGAATGATGCGCTCATTATAGCCAAATTGAAAGGATTTGATGTGTTCAATGCACTAGATT  
 TGATGGAAAAAAGACCTTCTTGAAAAACTAAAGTTTGGTATAGGAGATGGCAACTTACAGTATTATTT  
 GTACAACGGAGGTGCCAGGGACAGACTCTGAAAAGGTTGGACTTGTCTACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230152 protein sequence  
 Red=Cloning site Green=Tags(s)

MRRRPNTPEALEGIWEQKRKRNRKREKRRSQILGVPSPTLHLTPRRLRFSSLLNTTPSGSRFQQEQPWN  
 PTIPIQLQDIQRAMELLSACQGPARNIDEATKRRYQFWDTPVPKLNEVITSHGAIKPDKNIRQEPYS  
 LPQGFMDTLDLSNAEVLKELYTLLENYVEDDDNMFRFDYSPEFLLWALRPPGWLLQWHCGVRSNNK  
 LVGFISAIPANIRIYDSVKRMVEINFLCVHKKLRSKRVAPVLIREITRRVNLGIFQAVYTAGVVLPKPV  
 ATCRYWHRSLNPRKLEVKFSLSRNMTLQRTMKLYRLPDVTKTSGLRPMKDIKAVRELINIYKQFH  
 LAPVMDDAEVAHWFLPREHIIDTFVVENPSGKLTDFLSFYTLPTVMHHPAHKSLKAAYSFYNIHTETPL  
 LDLMNDALIIAKLKGFDVFNALDLMENKTFLEKLFKFGIGDNLQYYLYNWRCPGTDSEKVGVLVQ

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001290369

**ORF Size:** 1458 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\\_001290369.1](#), [NP\\_001277298.1](#)

**RefSeq Size:** 4411 bp

**RefSeq ORF:** 1458 bp

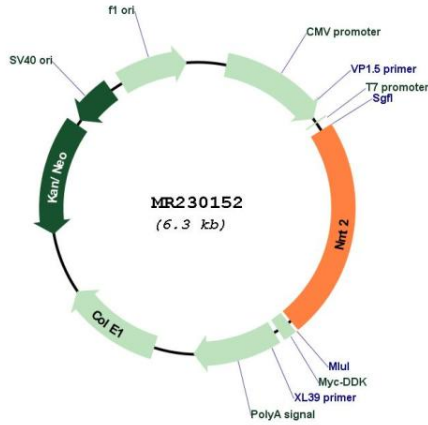
**Locus ID:** 18108

**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 MR230152