

## Product datasheet for **MG203499**

### Nnmt (NM\_010924) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Nnmt (NM_010924) Mouse Tagged ORF Clone                                     |
| Tag:                      | TurboGFP  |
| Symbol:                   | Nnmt  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG203499 representing NM_010924<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATCTGGCTTCACCTCCAAGGACACTTATCTAAGTCATTTAATCCTCGGGATTACTTGAAAAAT  
ATTACAGCTTTGGGTCCAGACACTGTGCAGAAAATGAGATCCTCAGACATCTGCTGAAAAATCTTTTAA  
GATATTCTGCCTGGGTGCTGTAAGGGAGAACCTCCTGATTGACATTGGCTCTGGCCCCACCATCTATCAG  
CTTCTCTCTGCCTGTGAGTCCTTCACGGAGATCATTGTCTCTGACTACACAGACCAGAACCTCTGGGAGC  
TGCAGAAAATGGCTGAAGAAGGAACCCAGGAGCCTTTGACTGGTCCCAGTGGTCACCTATGTGTGATCT  
TGAAGGCAACAGAATGAAGGGACCTGAGAAGGAGGAGAAGTTGAGGCGTGAATCAAGCAGTACTAAAG  
TGTGATGTGACCCAGAGCCAGCCTCTGGGTGGGTCTCTGCTCCTGCTGACTGCCTGCTCAGCACAC  
TGTGCCTGGATGCTGCCTGCCCTGACCTCCAGCCTATCGCACTGCCCTCAGGAACCTGGGCAGTCTGCT  
CAAGCCAGGAGGCTTCTGGTGTGGTAGATGCCCTGAAGAGTAGCTACTACATGATTGGGGAGCAGAAG  
TTTTCCAGCCTTCCCCTGGGATGGGAGACTGTTTCGAGATGCTGTGAAGAGGCCGGTTACACCATTGAGC  
AATTTGAGGTGATTTCTCAAAATTACTCTTCTACCACATCCAATAATGAAGGACTCTTCCCTAGTGGG  
GCGAAAGCCAGGCAGATCTGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203499 representing NM\_010924  
 Red=Cloning site Green=Tags(s)

MESGFTSKDITYLSHFNPRDYLEKYYSFGSRHCAENEILRHLLKNLFKIFCLGAVKGELLIDIGSGPTIYQ  
 LLSACESFTEIIVSDYTDQNLWELQKWLKKEPGAFDWSPVVTVYCDLEGNRMKGPEKEEKLRRRAIKQVLK  
 CDVTQSQPLGGVSLPPADCLLSTLCLDAACPDLPAYRTALRNLSLLKPGGFLVMVDALKSSYYMIGEYK  
 FSSLPLGWETVRDAVEEAGYTIIEQFEVISQNYSTTSSNNEGLFSLVGRKPGRSE

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3713\\_b06.zip](https://cdn.origene.com/chromatograms/ja3713_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010924

**ORF Size:** 792 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\\_010924.1](#), [NP\\_035054.1](#)

**RefSeq Size:** 954 bp

**RefSeq ORF:** 795 bp

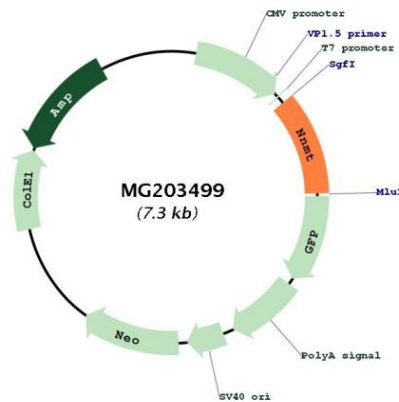
**Locus ID:** 18113

**UniProt ID:** [O55239](#)

**Cytogenetics:** 9 26.45 cM

**Gene Summary:** Catalyzes the N-methylation of nicotinamide and other pyridines to form pyridinium ions. This activity is important for biotransformation of many drugs and xenobiotic compounds. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG203499