

Product datasheet for **MG207956**

Nmt1 (BC021635) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt1 (BC021635) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nmt1
Synonyms:	AW536594
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207956 representing BC021635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGATGAGAGTGAGACAGCAGTGAAGCTGCCGGCACCTTCGTTGCCACTGATGATGGAAGGGAATG
 GAAACGGCCATGAGCACTGCAGCGATTGCGAGAACGAGGAGACAACAGCCACAACAGGAGTGGCTTGAG
 TCCAGCCAATGACACCGGAGCCAAAAAGAAAGAAAAAGAAAGAAAGAAAGAAAGAAAGAAAGGAGAAAGGAGGAGTGC
 ATGGAATCCACCCAGGACCAGCCCGTGAAGATGACCTCTTTGCCAGCAGAGAGGATCCAGGAAATACAGA
 AGGCCATTGAGCTGTTCTCAGTGGGTGAGGACCCGCCAAAACCATGGAGGAAGCCAGTAAACGGAGCTA
 CCAGTTCTGGGATACACAGCCAGTGCCCAAATTAGGTGAAGTGGTAAACACCCATGGTCCAGTCCGAACT
 GACAAAGACAACATTCGCCAGGAGCCCTACACCCTGCCCCAGGGCTTACCTGGGATGCCTTGGATCTGG
 GAGACCGTGGTGTGCTGAAAGAGCTGTACACCCTCTGAACGAGAACACGTGGAAGATGATGACAATAT
 GTTCCGATTGACTATTCGCCAGAGTTTCTCTTGTGGGCTCTCCGGCCACCAGGTTGGCTCCACAGTGG
 CACTGTGGGGTCCGAGTGGTCTCAAGTCGAAACTGGTTGGGTTTCATCAGTGCCATCCCAGCAAACATCC
 ACATCTATGACACAGAGAAGAAGATGGTGGAGATCAACTTCTGTGCGTCCACAAGAAGCTGCGCTCAA
 GAGGGTGGCTCCAGTTTTGATCCGAGAGATCACCCGGCGGGTCCACCTGGAGGGCATTTCCTCAAGCTGTT
 TACTGCGCGAGTGGTGTGCCAAAGCCTGTGGGCACCTGCAGTACTGGCATCGATCCCTAAACCCCTC
 GGAAGCTGATTGAAGTGAAGTCTCCACCTGAGCAGAAATATGACCATGCAGCGCACCATGAAGCTCTA
 CCGACTGCCAGAGACTCCAAGACAGCTGGCCTACGACCAATGGAGAAGAAGGACATTCCAGTAGTGCAC
 CAACTGCTCAGCAGGTACCTGAAGCAGTTTACCTCACGCCTGTCATGAACAGGAGGAGGTGGAGCACT
 GTTCTACCCCCAGGAGAACATCATTGACACTTTTGTGGTAGAGAATGCCAACGGCGAGGTTGACTGATTT
 CCTGAGCTTTTATACACTCCCTCCACCATGAACCATCCAACCCACAAGAGTCTGAAAGCTGCGTAC
 TCTTCTACAACGTCCACACCCAGACCCCTCTTCTAGACCTTATGAGCGACGCCCTCGTTCTAGCCAAAA
 TGAAAGGGTTCGACGTATTCAATGCACTGGATCTCATGGAGAACAAGACATTCTGGAGAAGCTCAAGTT
 CGGCATAGGGGACGGCAACCTGCAGTATTACCTGTACAATTGGAAGTGCCCGAGCATGGGGGCCGAGAAG
 GTTGGGTTGGTTACAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207956 representing BC021635
 Red=Cloning site Green=Tags(s)

MADESETAVKLPAPSLPLMMEGNGNGHEHCSDCENEEDNSHNRSGLSPANDTGAKKKKKKQKKKKEKGS
 MESTQDQPVKMTSLPAERIQEIQKAIELFSVGQGPAKTMEEASKRSYQFWDTPVPKLGVEVNTHGVP
 DKDNIRQEPYTLPGFTWDALDLGDRGVLKELYLLNENYVEDDDNMFREFDYSPEFLLWALRPPGWL
 PQC HCGVVRVSSRKL VGFISAIPANIHIYDTEKKMVEINFLCVHKLRSKRVAPVLI REITRRVHLE
 GIFQAV YTAGVVLPKPVGTCRYWHRSLNPRKLEIEVKFSHLSRNMTMQRTMKLYRLPETPKTAGLR
 PMEKKDIPVVH QLLSRYLKQFHLTPVMNQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTL
 PSTIMNHPTHKSLKAAY SFYVHTQTPLLDLMSDALVLAKMKGFDFNALDLMENKTFLEKLFK
 GIGDNLQYYLYNWKCPMSGAEK VGLVLQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC021635

ORF Size: 1490 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: [BC021635](#), [AAH21635](#)

RefSeq Size: 1864 bp

RefSeq ORF: 1490 bp

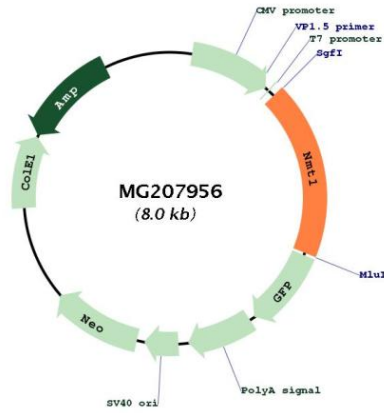
Locus ID: 18107

Cytogenetics: 11 E1

Gene Summary:

Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral proteins. Required for normal embryogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207956