

Product datasheet for **MR207956**

Nmt1 (BC021635) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt1 (BC021635) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmt1
Synonyms:	AW536594
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207956 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGATGAGAGTGAGACAGCAGTGAAGCTGCCGGCACCTTCGTTGCCACTGATGATGGAAGGGAATG
 GAAACGGCCATGAGCACTGCAGCGATTGCGAGAACGAGGAGGACAACAGCCACAACAGGAGTGGCTTGAG
 TCCAGCCAATGACACCGGAGCCAAAAAGAGAAAAAGAAACAAAAGAAAGAAAGAGAAAGGCAGTGAC
 ATGGAATCCACCCAGGACCAGCCCGTGAAGATGACCTCTTTGCCAGCAGAGAGGATCCAGGAAATACAGA
 AGGCCATTGAGCTGTTCTCAGTGGGTGAGGACCCGCCAAAACCATGGAGGAAGCCAGTAAACGGAGCTA
 CCAGTTCTGGGATACACAGCCAGTGCCCAAATTAGGTGAAGTGGTAAACACCCATGGTCCAGTCGAACT
 GACAAAGACAACATTCGCCAGGAGCCCTACACCCTGCCAGGGCTTACCTGGGATGCCTTGGATCTGG
 GAGACCGTGGTGTGCTGAAAGAGCTGTACACCCTCTGAACGAGAACACGTGGAAGATGATGACAATAT
 GTTCCGATTGACTATTCGCCAGAGTTTCTCTTGTGGGCTCTCCGCCACCAGGTTGGCTCCACAGTGG
 CACTGTGGGGTCCGAGTGGTCTCAAGTCGAAACTGGTTGGGTTTCATCAGTGCCATCCAGCAAACATCC
 ACATCTATGACACAGAGAAGAAGATGGTGGAGATCAACTTCTGTGCGTCCACAAGAAGCTGCGCTCAA
 GAGGGTGGCTCCAGTTTTGATCCGAGAGATCACCCGGCGGGTCCACCTGGAGGGCATTTCCTCAAGCTGTT
 TACTGTCGGAGTGGTGTGCCAAAGCCTGTGGGCACCTGCAGTACTGGCATCGATCCCTAAACCCCTC
 GGAAGCTGATTGAAGTGAAGTCTCCACCTGAGCAGAAATATGACCATGCAGCGCACCATGAAGCTCTA
 CCGACTGCCAGAGACTCCAAGACAGCTGGCCTACGACCAATGGAGAAGAAGGACATTCCAGTAGTGCAC
 CAACTCTCAGCAGGTACCTGAAGCAGTTTACCTCACGCCTGTCATGAACCAGGAGGAGGTGGAGCACT
 GGTTCTACCCCGAGGAGAACATCATTGACACTTTTGTGGTAGAGAATGCCAACGGCGGAGGTGACTGATTT
 CCTGAGCTTTTATACACTTCCCTCCACCATCATGAACCATCCAACCCACAAGAGTCTGAAAGCTGCGTAC
 TCTTCTACAACGTCCACACCCAGACCCCTCTTCTAGACCTTATGAGCGACGCCCTCGTTCTAGCAAAA
 TGAAAGGGTTCGACGTATTCAATGCACTGGATCTCATGGAGAACAAGACATTCTGGAGAAGCTCAAGTT
 CGGCATAGGGGACGGCAACCTGCAGTATTACCTGTACAATTGGAAGTGCCCGAGCATGGGGGCCGAGAAG
 GTTGGGTTGGTTACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207956 protein sequence
 Red=Cloning site Green=Tags(s)

MADESETAVKLPAPSLPLMMEGNGNGHEHCSDCENEEDNSHNRSGLSPANDTGAKKKKKKQKKKKEKGS
 MESTQDQPVKMTSLPAERIQEIQKAIELFSVGQPAKTMEASKRSYQFWDTPVPKLGVEVNTHGVPVEP
 DKDNIRQEPYTLPGFTWDALDLGDRVLKELYLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPQW
 HCGVRVVSRLKLVGFISAIPANIHIYDTEKMMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQAV
 YTAGVVLPKPVGTCRYWHRSLNPRKLEVKFSLSRNMTMQRTMKLYRLPETPKTAGLRPMEKKDIPVVH
 QLLSRYLKQFHLTPVMNQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTLPTIMNHPTHKSLKAA
 SFYVHTQTPLLDLMSDALVLAKMKGFDFNALDLMENKTFLEKLFKIGDGNLQYYLYNWKCPMGAEK
 VGLVLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC021635

ORF Size: 1488 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

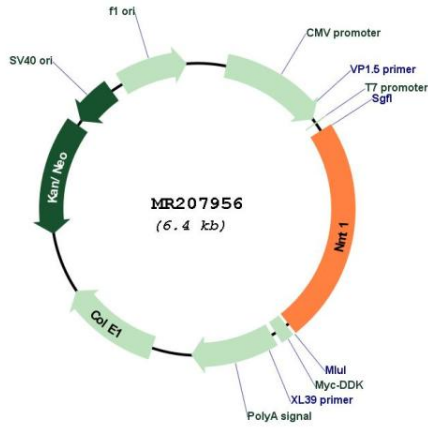
Cytogenetics: 11 E1

MW: 56.9 kDa

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 MR207956