

Product datasheet for **MR224844**

Nmt2 (NM_008708) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmt2 (NM_008708) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR224844 representing NM_008708
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGACAGCGAGTCTGCGGCCAGCCAGCAGACCTAGAGCTGGACGACCAGGACACGTGCGGAA
 TAGACGGAGACAATGAGGAGGAGACCGAACACGCCAAAGGAAGCCCTGGAGGGGATTTGGGAGCAAAAA
 GAAAAAGAAACAAAAGAGAAAAAGGAGAAGCCAAATTCTGGGGGTACCAAGTCCGACTCTGCATCT
 GACTCCCAGGAGATTAAGATTTCAGCAGTCTTCTAAACACAACGCCATCTGGCAGCAGATTCAGCAGGAG
 CAGCCATGGGTGGTGATACTATGGAAGGTGAATGGATAGATTTAAGAATGTATCATAAGAATCCCACCAT
 CCCTATTCAGAAGCTACAAGACATCCAGAGAGCAATGGAGCTGCTGTCTGCATGCCAAGGCCAGCCAGG
 AACATTGATGAGGCCACAAAACGCAGATACCAGTTTTGGGACACACAGCCAGTCCCAAATTTGAATGAAG
 TCATAACATCTCATGGTCAATTAACAGACAAAAGACAATATCCGCCAGGAACCATATTCTTTGCCGA
 AGGTTTTATGTGGGACACTTTAGACTTGAGTAATGCCAAGTGTGAAGGAGCTGTATACGTTGCTGAAT
 GAGAAATATGTGGAAGACGATGACAATATGTTCCGCTTTGACTATTCACCTGAGTTTCTGCTGTGGGCTC
 TGGCCCCCAGGATGGCTTCTGCAAGTGGCACTGTGGAGTCCGAGTGTCTTCAAATAAAAAGTTAGTAGG
 TTTCATAAGTGCCATTCAGCAAACATCCGAATTTATGATAGTGTGAAGAGGATGGTAGAAATCACTTT
 CTTTGTGTCCATAAGAACTGAGATCAAACCGGTAGCCCCAGTGTGATTCGAGAAATAACCAGAAGAG
 TGAACCTGGAAGGCATCTTTCAAGCTGTGTACTGCGGGAGTAGTCTTCTTAAGCCTGTGGCCACTTG
 CAGGATTTGGCACCGATCCCTAAACCCAGGAACTGGTGAAGTGAATTTTCTCACCTGAGTAGAAAC
 ATGACCTTACAGAGAACGATGAAGCTTTACAGACTTCCAGATGTTACAAAGACTTCAGGTTTGCAGCCAA
 TGGAAACAAAAGACATCAAAGCAGTCCGAGAGCTAATCAACATCTACTGAAGCAGTTTTCATCTAGCTCC
 AGTGATGGATGACGCAGAAGTGGCCACTGGTTCCTGCCCAGGGAGCACATCATTGACACGTTTGTAGTG
 GAGAACCCAGTGGGAAGCTGACTGACTTCTGAGCTTCTACACTCTCCCTCCACGTTTATGCACCACC
 CAGCTCACAAAAGCCTCAAGGCTGCCTATTCTTCTACAACATTCACACAGAGACACCCCTGCTGGACCT
 CATGAATGATGCGCTCATTATAGCCAAATGAAAGGATTTGATGTGTTCAATGCACTAGATTTGATGGAA
 AATAAGACCTTCTGGAAAACTAAAGTTTGGTATAGGAGATGGCAACTTACAGTATTATTTGTACAAC
 GGAGGTGCCAGGACAGACTCTGAAAAGTTGGACTTGTCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224844 representing NM_008708
 Red=Cloning site Green=Tags(s)

MAEDSESAASQQSLELDDQDTCGIDGDNEEETEHAAGSPGGDLGAKKKKKKQKRKKEKPNSSGKSDSAS
 DSQEIKIQSSKHNAIWQISAGAAMGGDTMEGEWIDL RMYHKNPTIPIQKLQDIQRAMELLSACQGP
 NIDEATKRRYQFWDTPVPKLNVEITSHGAI EPDKNIRQEPYSLPQGF MWDTLDLSNAEVLKELYLLN
 ENYVEDDNDMFRFDYSPEFLWALRPPGWLLQWHCGVRVSSNKLVGFISAIPANIRIYDSVKRMEV
 INF LCVHKKLRSKRVAPVLI REITRRVNLEGIFQAVYTAGVVL PKPVATCRYWHRSLNPKLVEVKF
 SHLSRN MTLQRTMKLYRLPDVTKTSGLRPMEPKDIKAVRELINIYLKQFHLAPVMDDAEVAHWFLPRE
 HIIDTFVVENPSGKLTDFLSFYTL PSTVMHHPAHKSLKAAYSFYNIHTETPLLDLMDALIIAKLKG
 FDFVFNALDLME NKTFLEKLFKFGIGDNLQYYLYNWRCPGTDSEKVGVLVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

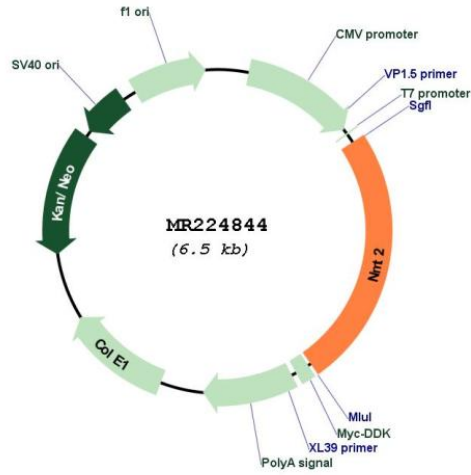
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_008708
ORF Size:	1587 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:	<ol style="list-style-type: none">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_008708.2 , NP_032734.1
RefSeq Size:	1877 bp
RefSeq ORF:	1590 bp
Locus ID:	18108
UniProt ID:	O70311
Cytogenetics:	2 A1
MW:	60.9 kDa
Gene Summary:	Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral proteins. [UniProtKB/Swiss-Prot Function]