

## Product datasheet for **RR209971**

### **Nmt2 (NM\_207590) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nmt2 (NM_207590) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209971 representing NM\_207590  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGAGGACAGCGAGTCTGCGGCCAGCCAGCTGAGCCTAGAGCTGGACGACCAGGACACGTGCGGAA  
 TAGACGGAGACAATGAGGAGGAGACGGAACACGCCAAAGGAAGCCCTGGAAGGGATTGGGAGCAAAAAA  
 GAAAAAGAAGAAACAGAAGAGAAAAAAGGAGAAGCCAAACTCTGGGGGTACCAAGTCCGACTCCGCATCT  
 GACTCCCAGGAGATTAAGATTTCAGCAATCTTCTAAACACAACGCCATCTGGCAGCAGATTCAGCAGGAG  
 CAGCCATGGGTGGTACTACTATGGAAGGTGAATGGATAGATTTAAGAATGTATCATAAGAATCCCACCAT  
 CCCTATTCAGAAGCTACAGGACATCCAGAGAGCAATGGAGCTGCTCTCTGCATGCCAAGGCCAGCCAGG  
 AACATTGATGAGGCCACAAAACGCAGATACCAGTTCTGGGACACACAGCCAGTGCCCAAATGAATGAAG  
 TCATAACATCTCATGGTCAATTGAACCAGACAAAGACAATATCCGCCAGGAACCGTACTCTTTGCCACA  
 AGGTTTTCATGTGGGACACATTAGACTTGAGTAATGCTGAAGTGTCAAGGAGTTGTACACGTTGCTGAAC  
 GAGAAATATGTGGAAGACGATGACAATATGTTCCGCTTTGACTACTCACCTGAGTTTCTCTGTGGGCTC  
 TGGCTCCCCCAGGATGGCTTCTGCAAGTGGCACTGTGGGGTCCGAGTGTCTTCCAATAAAAAGTTAGAAGG  
 CTTCATAAGTGCCATCCCGGCAACATCCGAATTTATGACAGTGTGAAGAGGATGGTGAAATCACTTT  
 CTTTGTGTGCATAAGAACTGAGATCCAACCGGTAGCCCTGTGTTAATCCGGGAAATAACTAGAAGAG  
 TGAACCTGGAAGGCATCTTTACGGCCGTGATACTGCAGGAGTGGTTCCTTAAGCCTGTGGCCACATG  
 CAGGATTTGGCACCGATCCCTAAACCCAGGAACTGGTGAAGTGAATTTTCTCATCTGAGTAGAAAC  
 ATGACCTTACAGAGAACGATGAAGCTTTACAGACTTCCAGATGTTACAAAGACTTCAGGCTGAGACCC  
 TGAACCAAAAAGATATCAGAGCAGTCCGAGAGCTAATCAACGCTACTTGAAGCAGTTCATCTAGCTCC  
 AGTGATGGGAGACGAAGAAGTGGCCACTGGTTCCCTCCCGAGGAGCACATCATTGACACCTTTGTGGTG  
 GAGAGCCCCAGTGGGAAGCTGACCGACTTCTGAGCTTCTACACACTCCCTCCACGTTATGCACCACC  
 CCGCTCACAAGAGCCTCAAGGCTGCCTATTCTTCTACAACATTCACACAGAGACGCCCTGCTGGACCT  
 CATGAACGACGCGCTCATTATAGCCAAATGAAAGGATTTGATGTGTTCAATGCACTAGATTTGATGGAA  
 AATAAGACCTTCTTGAAAAGCTCAAGTTTGGTATAGGAGACGGCAACTTACAGTATTATTTGTACAAC  
 GGAGGTGCCAGGACAGACTCTGAAAAGTTGGACTTGTCTACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209971 representing NM\_207590  
 Red=Cloning site Green=Tags(s)

MAEDSESAASQLSLELDDQDTCGIDGDNEEETEHAHGSPGRDLGAKKKKKKQKRKKEKPNSSGTKSDSAS  
 DSQEIKIQSSKHNAIWQQISAGAAMGGDTMEGEWIDL RMYHKNPTIPIQKLQDIQRAMELLSACQGP  
 NIDEATKRRYQFWDTPVPKLNVEITSHGAI EPDKNIRQEPYSLPQGF MWDTLDLSNAEVLKELYLLN  
 ENYVDDDDNMF RFDYSPEFLWALRPPGWLLQWHCGVRVSSNKKLEGFISAIPANIRIYDSVKRMVEINF  
 LCVHKKLRSKRVAPVLI REITRRVNLEGI FQAVYTAGVLPKPVATCRYWHRSLNPRKLVKFSHLSRN  
 MTLQRTMKLYRLPDVTKTSGLRPMEPKDIRAVRELINVYLKQFHLAPVMGDEEVAHWFLPREHIIDTFV  
 ESPSGKLTDFLSFYTL PSTVMHHPAHKSLKAAYSFYNIHTETPLLDLMDALIIAKLKGFDVFNALDLME  
 NKTFLEKLFKFGIGDNLQYYLYNWRCPGTDSEKVLVLQ

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

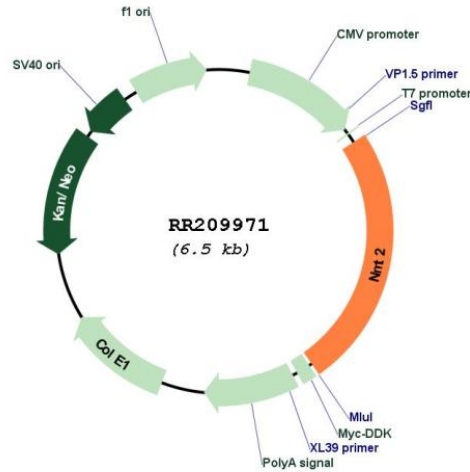
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_207590

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:**

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\\_207590.1](#), [NP\\_997473.1](#)

**RefSeq Size:** 1590 bp

**RefSeq ORF:** 1590 bp

**Locus ID:** 291318

**Cytogenetics:** 17q12.3

**MW:** 60.6 kDa