

## Product datasheet for RC200641

### NNMT (NM\_006169) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NNMT (NM_006169) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NNMT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200641 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATCAGGCTTCACCTCCAAGGACACCTATCTAAGCCATTTAACCCCTCGGGATTACCTAGAAAAAT  
ATTACAAGTTTGGTTCTAGGCACTCTGCAGAAAGCCAGATTCTTAAGCACCTTCTGAAAAATCTTTTCAA  
GATATTCTGCCTAGACGGTGTGAAGGGAGACCTGCTGATTGACATCGGCTCTGGCCCCACTATCTATCAG  
CTCCTCTCTGCTTGTGAATCCTTTAAGGAGATCGTCGTCAGTACTCAGACCAGAACCTGCAGGAGC  
TGGAGAAGTGGCTGAAGAAAGCCAGAGGCCTTTGACTGGTCCCAGTGGTGACCTATGTGTGATCT  
TGAAGGGAACAGAGTCAAGGGTCCAGAGAAGGAGGAGAAGTTGAGACAGGCGGTCAAGCAGGTGCTGAAG  
TGTGATGTGACTCAGAGCCAGCCACTGGGGCCGTCCCCTTACCCCCGGCTGACTGCGTGCTCAGCACAC  
TGTGTCTGGATGCCGCTGCCAGACCTCCCCACCTACTGCAGGGCGCTCAGGAACCTCGGCAGCCTACT  
GAAGCCAGGGGGCTTCTGGTATCATGGATGCGCTCAAGAGCAGCTACTACATGATTGGTGAGCAGAAG  
TTCTCCAGCCTCCCCTGGGCCGGGAGGCAGTAGAGGCTGCTGTGAAAGAGGCTGGCTACACAATCGAAT  
GGTTTGAGGTGATCTCGCAAAGTTATTCTCCACCATGGCCAACAACGAAGGACTTTTCTCCTGGTGGC  
GAGGAAGCTGAGCAGACCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_006169.3](#)

**RefSeq Size:** 1579 bp

**RefSeq ORF:** 795 bp

**Locus ID:** 4837

**UniProt ID:** [P40261](#)

**Cytogenetics:** 11q23.2

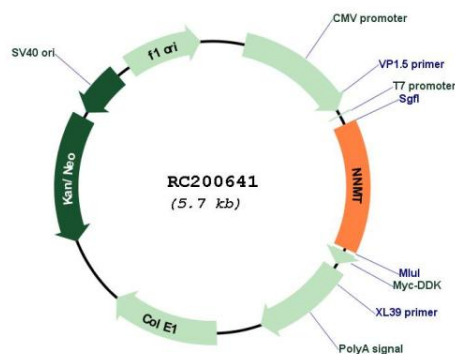
**Domains:** NNMT\_PNMT\_TEMT

**Protein Pathways:** Metabolic pathways, Nicotinate and nicotinamide metabolism

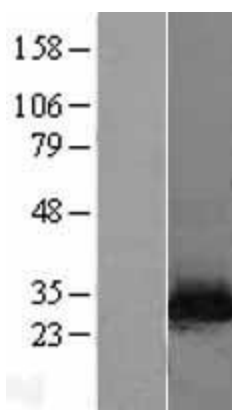
**MW:** 29.6 kDa

**Gene Summary:** N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor. [provided by RefSeq, Jul 2008]

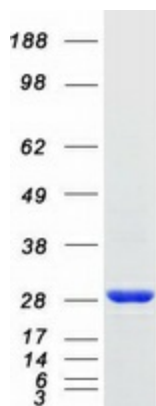
### Product images:



Circular map for RC200641



Western blot validation of overexpression lysate (Cat# [LY401860]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200641 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NNMT protein (Cat# [TP300641]). The protein was produced from HEK293T cells transfected with NNMT cDNA clone (Cat# RC200641) using MegaTran 2.0 (Cat# [TT210002]).