

Product datasheet for **MC200819**

Gnmt (NM_010321) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gnmt (NM_010321) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gnmt
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC014283 sequence for NM_010321

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CCACGCGTCCGGGATGGTGGACAGCGGTACCGTACCCGCTCCCTGGGGGTGGCGGCCGAAGGGCTCCCG
GACCAGTATGCAGATGGGGAGGCCGCACGTGTGTGGCAGCTGTACATCGGGGACACCCGACCCGTACCG
CAGAGTACAAGCGTGGTTGCTTGGGCTGTGCGCCAGCACGGGTGCCACAGGGTGTGGACGTAGCCTG
TGGCACAGGAGTGGACTCCATCATGCTGGTGGAAAGAGGGCTTCAGCGTGATGAGCGTGGACGCCAGCGAC
AAGATGCTGAAATATGCGCTTAAGGAGCGCTGGAACCGGAGGAAAAGGCCATCCTTTGACAAATGGGTCA
TTGAAGAAGCCAACTGGTTGACGCTGGACAAAGATGTGCTTTTCAGGAGATGGCTTTGATGCTGTCATCTG
CCTTGGGAACAGTTTTGCTCACTTGCCAGACTGCAAAGGTGACCAGAGCGAGCACCCGGCTGGAACATAAAG
AACATTGCAAGCATGGTGCGCCCGGGGGCCTGCTGGTGATCGACCACCGCAACTACGACTATATCCTCA
GCACAGGCTGTGCGCCCCCGGGGAAGAACAATCTACTATAAGAGTGACCTGACCAAGGACATTACGACGTC
AGTACTGACAGTCAACAACAAGCCCACATGGTAACCCCTGGACTACACAGTGCAGGTGCCAGGCACTGGC
AGAGATGGCTCTCCTGGCTTCAGTAAGTCCGGCTCTCTTACTACCCACACTGTTTGGCGCTTTTCACGG
AGTTGGTGCGAGCAGCCTTTGGGGCAGGTGCCAGCACAGCGTCTGGGTGACTTCAAGCCTACAAGCC
TGGCCAGGCTACGTTCCCTGCTACTTCCATCCATGTGCTCAAGAAGACAGACTGAGTTTCTCCGGCTCCC
AGAAGCCCATGCTCAGGCAATGGCCCCTACCCTAAGACCATCCCCTAATGCAGATATTGCATTTGGGTGC
AGATGTGGGGTTCGGGCAACGGAGTAAACAATACAGTCTGCATTCTCCAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_010321
Insert Size: 882 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>BC014283</u> , <u>AAH14283</u>
RefSeq Size:	1088 bp
RefSeq ORF:	882 bp
Locus ID:	14711
UniProt ID:	<u>Q9QXF8</u>
Cytogenetics:	17 C
Gene Summary:	Catalyzes the methylation of glycine by using S-adenosylmethionine (AdoMet) to form N-methylglycine (sarcosine) with the concomitant production of S-adenosylhomocysteine (AdoHcy). Possible crucial role in the regulation of tissue concentration of AdoMet and of metabolism of methionine (By similarity).[UniProtKB/Swiss-Prot Function]