

Product datasheet for **MC206581**

Pemt (BC026796) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pemt (BC026796) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pemt
Synonyms:	PEAMT; Pempt; Pempt2; PEMT2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC026796 CATTTCCTTCTGGTTCTGGCTGATCTCTTCGTTATGAGCTGGCTGCTGGGTTACATGGACCCACAGAGC CCAGCTTTGTGGCGGCTGTGATCACCATTGTGTTCAACCCACTCTCTGGAATGTGGTAGCGAGATGGGA GCAGAGAACTCGGAAGCTGAGCAGAGCCTTCGGCTCCCCCACCTAGCCTGCTATTCCCTGGGCATCTGC ATCCTGCTTTTGAACATCCTCCGCTCCCACTGCTTACACAGGCTATGATGAGCCAGCCCAAGATGGAGG GCCTGGACAACCACACCCTACTTCTGGGCCTTGCACTTCTAGGTTGGGGATTGCTGTTTGTGCTGTC CAGCTTCTATGCACTGGGTTCACTGGGACCTTCTAGGTGACTACTTTGGGATCCTCAAGGAGTCCAGA GTGACCACATTTCCCTTCAAGGATCTTTGGAAAGCTGGACTGGCCTCTCGGCTGCCCAAGCAACAACCTTCCC AGGGAGAGCAGCACTGGCCACTGTACCTGTGCCTTAGAAACCAAGTATGGGGCCTCAGGCATTATGCTG TGTGACTGCTGAGACCCCATCCCCACCATGTCCCGACACACTAATAAAGGCATTGTGACCTCAAAAAA AAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	BC026796
Insert Size:	600 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).
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).



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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.

RefSeq: [BC026796](#), [AAH26796](#)

RefSeq Size: 848 bp

RefSeq ORF: 600 bp

Locus ID: 18618

Cytogenetics: 11 37.81 cM

Gene Summary: Catalyzes the three sequential steps of the methylation pathway of phosphatidylcholine biosynthesis, the SAM-dependent methylation of phosphatidylethanolamine (PE) to phosphatidylmonomethylethanolamine (PMME), PMME to phosphatidyl dimethylethanolamine (PDME), and PDME to phosphatidylcholine (PC).
[UniProtKB/Swiss-Prot Function]