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Product datasheet for MC226477

Pemt (NM_001290011) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pemt (NM_001290011) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pemt
Synonyms:	PEAMT; Pempt; Pempt2; PEMT2; PLMT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226477 representing NM_001290011
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGAAAATACGAGCCCGACAACTGCACTTATCAGCAGCTCGGTAGCGGGGCACGACTGCTGTGGAG
GCTTCGGCAATATCGACTTCAGGCAGGCTGATCTCTTCGTTATGAGCTGGCTGCTGGGTTACATGGACCC
CACAGAGCCCAGCTTTGTGGCGGCTGTGATCACCATTGTGTTCAACCCACTCTTCTGGAATGTGGTAGCG
AGATGGGAGCAGAGAACTCGGAAGCTGAGCAGAGCCTTCGGCTCCCCCCACCTAGCCTGCTATTCCCTGG
GCATCTGCATCCTGCTTTTGAACATCCTCCGCTCCCACTGCTTCACACAGGCTATGATGAGCCAGCCCAA
GATGGAGGGCCTGGACAACCACACCACCTACTTCCTGGGCCTTGCATTCCTAGGTTGGGGATTCGTGTTT
GTGCTGTCCAGCTTCTATGCACTGGGGTTCACTGGGACCTTTCTAGGTGACTACTTTGGGATCCTCAAGG
AGTCCAGAGTGACCACATTTCCCTTCAGCGTGCTGGATAACCCCATGTACTGGGGCAGTACAGCCAACTA
CCTAGGCTGGGCACTCATGCATGCTAGTCCCACAGGCCTGCTGTTGACGGTGCTGGTGGCAATTGTCTAC
GTGGTTGCTCTCCTATATGAAGAGCCCTTCACTGCTGAGATCTACCGACAGAAAGCTACCAGGTTGCACA
AAAGAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001290011
Insert Size:	711 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290011.1, NP_001276940.1
RefSeq Size:	989 bp
RefSeq ORF:	711 bp
Locus ID:	18618
UniProt ID:	Q61907
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 phosphatidyldimethylethanolamine (PDME), and PDME to phosphatidylcholine (PC). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (a).

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