

Product datasheet for **SC330757**

PEAMT (PEMT) (NM_001267552) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEAMT (PEMT) (NM_001267552) Human Untagged Clone
Tag: Tag Free
Symbol: PEMT
Synonyms: PEAMT; PEMPT; PEMT2; PLMT; PNMT
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330757 representing NM_001267552.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

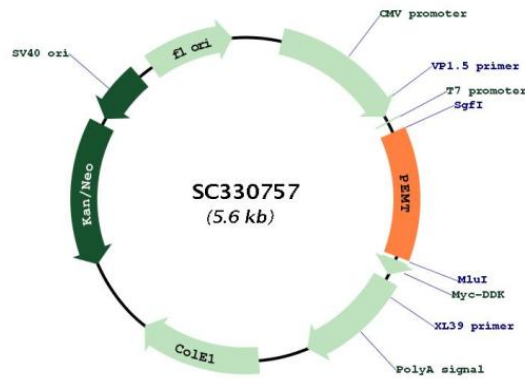
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ATGAAGAGATCTGGGAACCCGGGAGCCGAGGTAACGAACAGCTCGGTGGCAGGGCCTGACTGCTGCGGA  
GGCCTCGGCAATATTGATTTTAGACAGGCAGACTTCTGCGTTATGACCCGGCTGCTGGGCTACGTGGAC  
CCCCTGGATCCCAGCTTTGTGGCTGCCGTATCACCATCACCTTCAATCCGCTCTACTGGAATGTGGTT  
GCACGATGGGAACACAAGACCCGCAAGCTGAGCAGGGCCTTCGGATCCCCCTACCTGGCCTGCTACTCT  
CTAAGCGTCACCATCCTGCTCCTGAATTCCTGCGCTCGCACTGCTTACGCAGGCCATGCTGAGCCAG  
CCCAGGATGGAGAGCCTGGACACCCCGCGGCCTACAGCCTGGGCTCGCGCTCCTGGGACTGGGCGTC  
GTGCTCGTCTCCAGCTTCTTTGCACTGGGGTTCGCTGGAACCTTCTAGGTGATTACTTCGGGATC  
CTCAAGGAGGCGAGAGTGACCGTGTTCCTTCAACATCCTGGACAACCCCATGTACTGGGAAGCACA  
GCCAACTACCTGGGCTGGGCCATCATCCCAGCACCTGCGGGAGCTGTGGGATCAGAGGCACGCCAGCCC  
CACGGCCTGCTCCTGACGGTGTGGTGGCCCTCACCTACATAGTGGCTCCTATACGAAGAGCCCTT  
CACCGCTGA
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001267552

Insert Size: 699 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).

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_001267552.1](#)

RefSeq Size: 1057 bp

RefSeq ORF: 699 bp

Locus ID: 10400

UniProt ID: [Q9UBM1](#)

Cytogenetics: 17p11.2

Protein Families: Transmembrane

Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

MW: 25 kDa

Gene Summary: Phosphatidylcholine (PC) is the most abundant mammalian phospholipid. This gene encodes an enzyme which converts phosphatidylethanolamine to phosphatidylcholine by sequential methylation in the liver. Another distinct synthetic pathway in nucleated cells converts intracellular choline to phosphatidylcholine by a three-step process. The protein isoforms encoded by this gene localize to the endoplasmic reticulum and mitochondria-associated membranes. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2012]
Transcript Variant: This variant (5) has an additional exon in the 3' coding region, compared to variant 1, which results in a frameshift and a protein (isoform 3) with a shorter and distinct C-terminus, compared to isoform 1.