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Product datasheet for SC330756

PEAMT (PEMT) (NM_001267551) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEAMT (PEMT) (NM_001267551) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEMT
Synonyms:	PEAMT; PEMPT; PEMT2; PLMT; PNMT
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330756 representing NM_001267551. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGAAGAGATCTGGGAACCCGGGAGCCGAGGCAGACTTCTGCGTTATGACCCGGCTGCTGGGCTACGTG GACCCCCTGGATCCCAGCTTTGTGGCTGCCGTCATCACCATCACCTTCAATCCGCTCTACTGGAATGTG GTTGCACGATGGGAACACAAGACCCGCAAGCTGAGCAGGGCCTTCGGATCCCCCTACCTGGCCTGCTAC TCTCTAAGCGTCACCATCCTGCTCCTGAACTTCCTGCGCTCGCACTGCTTCACGCAGGCCATGCTGAGC CAGCCCAGGATGGAGAGCCTGGACACCCCCGCGGCCTACAGCCTGGGCCTCGCGCTCCTGGGACTGGGC GTCGTGCTCGTGCTCTCCAGCTTCTTTGCACTGGGGTTCGCTGGAACTTTCCTAGGTGATTACTTCGGG ATCCTCAAGGAGGCGAGAGTGACCGTGTTCCCCTTCAACATCCTGGACAACCCCATGTACTGGGGAAGC ACAGCCAACTACCTGGGCTGGGCCATCATGCACGCCAGCCCCACGGGCCTGCTCCTGACGGTGCTGGTG GCCCTCACCTACATAGTGGCTCTCCTATACGAAGAGCCCTTCACCGCTGAGATCTACCGGCAGAAAGCC TCCGGGTCCCACAAGAGGAGCTGA
Restriction Sites:	SgfI-MluI

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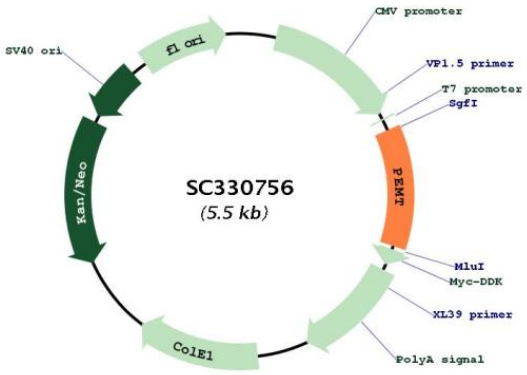
Plasmid Map:



ACCN:	NM_001267551
Insert Size:	645 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:	NM_001267551.1
RefSeq Size:	960 bp
RefSeq ORF:	645 bp
Locus ID:	10400
UniProt ID:	Q9UBM1
Cytogenetics:	17p11.2
Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
MW:	23.7 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 (4) uses an alternate splice site in the 5' coding region compared to variant 1. The resulting protein (isoform 4) is shorter but has the same N- and C-termini compared to isoform 1.

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