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Product datasheet for RC200327L3V

PCMT1 (NM_005389) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PCMT1 (NM_005389) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PCMT1
Synonyms:	PIMT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005389
ORF Size:	681 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200327).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005389.1, NP_005380.1
RefSeq Size:	1751 bp
RefSeq ORF:	858 bp
Locus ID:	5110
UniProt ID:	P22061
Cytogenetics:	6q25.1
Domains:	PCMT
Protein Families:	Druggable Genome

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MW: 24.7 kDa

Gene Summary: This gene encodes a member of the type II class of protein carboxyl methyltransferase enzymes. The encoded enzyme plays a role in protein repair by recognizing and converting D-aspartyl and L-isoaspartyl residues resulting from spontaneous deamidation back to the normal L-aspartyl form. The encoded protein may play a protective role in the pathogenesis of Alzheimer's disease, and single nucleotide polymorphisms in this gene have been associated with spina bifida and premature ovarian failure. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]