

Product datasheet for RC200327L4

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OriGene Technologies, Inc.

PCMT1 (NM_005389) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PCMT1 (NM 005389) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: PCMT1
Synonyms: PIMT

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

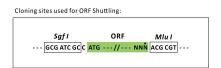
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200327).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_005389

ORF Size: 681 bp





PCMT1 (NM_005389) Human Tagged Lenti ORF Clone - RC200327L4

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.

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 005389.1, NP 005380.1

RefSeq Size:1751 bpRefSeq ORF:858 bpLocus ID:5110

 UniProt ID:
 P22061

 Cytogenetics:
 6q25.1

Domains: PCMT

Protein Families: Druggable Genome

MW: 24.7 kDa

Gene Summary: This gene encodes a member of the type II class of protein carboxyl methyltransferase

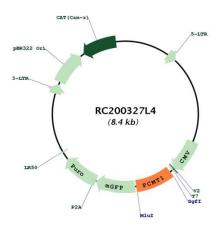
enzymes. The encoded enzyme plays a role in protein repair by recognizing and converting D-aspartyl and L-isoaspartyl residues resulting from spontaneous deamidation back to the normal L-aspartyl form. The encoded protein may play a protective role in the pathogenesis

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]



Product images:



Circular map for RC200327L4