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Product datasheet for RC203054L4V

PTPLA (HACD1) (NM_014241) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTPLA (HACD1) (NM_014241) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTPLA
Synonyms:	CAP; PTPLA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014241
ORF Size:	864 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203054).
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_014241.2, NP_055056.2
RefSeq Size:	1323 bp
RefSeq ORF:	867 bp
Locus ID:	9200
UniProt ID:	B0YJ81
Cytogenetics:	10p12.33
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	Biosynthesis of unsaturated fatty acids

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MW: 32.4 kDa

Gene Summary: The protein encoded by this gene contains a characteristic catalytic motif of the protein tyrosine phosphatases (PTPs) family. The PTP motif of this protein has the highly conserved arginine residue replaced by a proline residue; thus it may represent a distinct class of PTPs. Members of the PTP family are known to be signaling molecules that regulate a variety of cellular processes. This gene was preferentially expressed in both adult and fetal heart. A much lower expression level was detected in skeletal and smooth muscle tissues, and no expression was observed in other tissues. The tissue specific expression in the developing and adult heart suggests a role in regulating cardiac development and differentiation. [provided by RefSeq, Jul 2008]