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Product datasheet for RC204994L4V

PECI (ECI2) (NM_006117) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PECI (ECI2) (NM_006117) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PECI
Synonyms:	ACBD2; dJ1013A10.3; DRS-1; DRS1; HCA88; PECI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006117
ORF Size:	1092 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204994).`
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_006117.2, NP_006108.2
RefSeq Size:	1410 bp
RefSeq ORF:	1095 bp
Locus ID:	10455
UniProt ID:	O75521
Cytogenetics:	6p25.2
Domains:	ACBP, ECH
Protein Pathways:	Fatty acid metabolism

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MW: 40.2 kDa

Gene Summary: This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2011]