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Product datasheet for MR210117L3V

Acsl1 (NM_007981) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acsl1 (NM_007981) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acsl1
Synonyms:	Ac; Acas; Acas1; Acs; Fac; Facl2; FACS; LACS 1; LACS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007981
ORF Size:	2097 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210117).
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_007981.3, NP_032007.2
RefSeq Size:	3891 bp
RefSeq ORF:	2100 bp
Locus ID:	14081
UniProt ID:	P41216
Cytogenetics:	8 B1.1

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Gene Summary: The protein encoded by this gene belongs to a family of acyl coenzyme A synthetase proteins, which convert long chain fatty acids to acyl CoA products via an ATP-dependent pathway. This enzyme is enriched in heart, liver and adipose tissue, where it functions in lipid synthesis and mitochondrial and peroxisomal beta-oxidation. In addition, it is expressed in monocytes and macrophages where it appears to have a functionally distinct role in mediating inflammatory and innate immune responses. A pseudogene of this gene is found on chromosome 5. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]