Product datasheet for MR210270L4V

Acsl3 (NM_001136222) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acsl3 (NM_001136222) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acsl3
Synonyms:	2610510B12Rik; Acs3; C85929; Facl3; Pro2194
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001136222
ORF Size:	2163 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210270).
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_001136222.1, NP_001129694.1
RefSeq Size:	3392 bp
RefSeq ORF:	1707 bp
Locus ID:	74205
UniProt ID:	Q9CZW4
Cytogenetics:	1 40.84 cM

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Gene Summary: Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 has mainly an anabolic role in energy metabolism (By similarity). Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins) (By similarity). Mediates hepatic lipogenesis (By similarity). Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates (By similarity). [UniProtKB/Swiss-Prot Function]