

Product datasheet for **MR218697L3V**

Acot4 (NM_134247) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acot4 (NM_134247) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acot4
Synonyms:	B430212I04Rik; PTE-Ib; Pte1b; Pte2b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_134247
ORF Size:	1266 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218697).
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_134247.3 , NP_599008.3
RefSeq Size:	2325 bp
RefSeq ORF:	1266 bp
Locus ID:	171282
UniProt ID:	Q8BWN8
Cytogenetics:	12 D1


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Gene Summary:

Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed:16141203, PubMed:16940157). In contrast to human peroxisomal succinyl-coenzyme A thioesterase/ACOT4, mouse ACOT4 is essentially a succinyl-CoA thioesterase with no activity with medium to long chain saturated acyl-CoAs and with a low activity toward glutaryl-CoA (PubMed:16141203, PubMed:16940157). [UniProtKB/Swiss-Prot Function]