

## Product datasheet for **MR204894L3V**

### Acot5 (BC016076) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Acot5 (BC016076) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acot5
Synonyms:	BC016076; PTE-lc
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC016076
ORF Size:	993 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204894).
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. <a href="#">More info</a>
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:	<a href="#">BC016076</a> , <a href="#">AAH16076</a>
RefSeq Size:	1416 bp
RefSeq ORF:	995 bp
Locus ID:	217698
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:16940157). Mainly active on medium-chain acyl-CoAs (PubMed:15007068). Seems to be involved in intraperoxisomal regulation of acyl-CoA levels, but not CoASH levels (PubMed:15007068). May have a function in termination of beta-oxidation of fatty acids (PubMed:15007068).[UniProtKB/Swiss-Prot Function]