

## Product datasheet for **MR216800L4V**

### **Acot7 (NM\_001146057) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Acot7 (NM_001146057) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acot7
Synonyms:	2410041A17Rik; Ach1; Act; Bach; Cte-II; CTE-IIa; Lach1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001146057
ORF Size:	1152 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216800).
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="#">NM_001146057.1</a> , <a href="#">NP_001139529.1</a>
RefSeq Size:	1505 bp
RefSeq ORF:	1155 bp
Locus ID:	70025
UniProt ID:	<a href="#">Q91V12</a>
Cytogenetics:	4 E2



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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:15288813). Acyl-coenzyme A thioesterase 7/ACOT7 preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain-lengths of C8-C18 (Probable). May play an important physiological function in brain (PubMed:15288813).[UniProtKB/Swiss-Prot Function]