

Product datasheet for **MR209014L4V**

Acsm1 (NM_054094) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acsm1 (NM_054094) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acsm1
Synonyms:	Acas3; Bucs1; Macs
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_054094
ORF Size:	1722 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209014).
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_054094.4
RefSeq Size:	2041 bp
RefSeq ORF:	1722 bp
Locus ID:	117147
UniProt ID:	Q91VA0
Cytogenetics:	7 F2



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Gene Summary:

Functions as GTP-dependent lipoate-activating enzyme that generates the substrate for lipoyltransferase (By similarity). Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro).[UniProtKB/Swiss-Prot Function]