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Product datasheet for MR210011L4V

Acss1 (NM_080575) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acss1 (NM_080575) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acss1
Synonyms:	1110032O15Rik; Acas2; Acas2l; AceCS2; AI788978
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_080575
ORF Size:	2046 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR210011).`
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_080575.2, NP_542142.1
RefSeq Size:	3594 bp
RefSeq ORF:	2049 bp
Locus ID:	68738
UniProt ID:	Q99NB1
Cytogenetics:	2 G3

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Gene Summary: Important for maintaining normal body temperature during fasting and for energy homeostasis. Essential for energy expenditure under ketogenic conditions. Converts acetate to acetyl-CoA so that it can be used for oxidation through the tricarboxylic cycle to produce ATP and CO(2).[UniProtKB/Swiss-Prot Function]