

Product datasheet for **MR209849L4V**

Acox1 (NM_015729) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acox1 (NM_015729) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acox1
Synonyms:	A; Acox; AOX; D130055E20Rik; Paox
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015729
ORF Size:	1986 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209849).
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_015729.2 , NP_056544.2
RefSeq Size:	3992 bp
RefSeq ORF:	1986 bp
Locus ID:	11430
UniProt ID:	Q9R0H0
Cytogenetics:	11 E2



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Gene Summary:

This gene encodes a member of the acyl-coenzyme A oxidase family. The encoded protein is localized to peroxisomes and is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-coenzyme A to 2-trans-enoyl-coenzyme A. Disruption of this gene results in microvesicular steatohepatitis, spontaneous peroxisome proliferation, and the eventual development of hepatocellular carcinomas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]