

## Product datasheet for **MR209517L3V**

### Slc27a2 (NM\_011978) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc27a2 (NM_011978) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc27a2
Synonyms:	ACSVL1; FATP2; Vlac; Vlacs; VLCS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011978
ORF Size:	1863 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209517).
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_011978.2</a> , <a href="#">NP_036108.2</a>
RefSeq Size:	2309 bp
RefSeq ORF:	1863 bp
Locus ID:	26458
UniProt ID:	<a href="#">O35488</a>
Cytogenetics:	2 F1



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**Gene Summary:**

Acyl-CoA synthetase probably involved in bile acid metabolism. Proposed to activate C27 precursors of bile acids to their CoA thioesters derivatives before side chain cleavage via peroxisomal beta-oxidation occurs. In vitro, activates 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol. Does not utilize C24 bile acids as substrates. In vitro, also activates long- and branched-chain fatty acids and may have additional roles in fatty acid metabolism (By similarity). May be involved in translocation of long-chain fatty acids (LFCA) across membranes.[UniProtKB/Swiss-Prot Function]