

Product datasheet for **MR209726L3V**

Slc27a1 (NM_011977) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc27a1 (NM_011977) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc27a1
Synonyms:	Fatp; FATP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011977
ORF Size:	1941 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209726).
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_011977.3
RefSeq Size:	2795 bp
RefSeq ORF:	1941 bp
Locus ID:	26457
UniProt ID:	Q60714
Cytogenetics:	8 B3.3



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Gene Summary:

Mediates the ATP-dependent import of long-chain fatty acids (LCFA) into the cell by mediating their translocation at the plasma membrane (PubMed:7954810, PubMed:9786857, PubMed:9671728, PubMed:10471110, PubMed:12235169, PubMed:11970897, PubMed:15699031, PubMed:28178239). Has also an acyl-CoA ligase activity for long-chain and very-long-chain fatty acids (PubMed:10593920, PubMed:12235169, PubMed:12937175). May act directly as a bona fide transporter, or alternatively, in a cytoplasmic or membrane-associated multimeric protein complex to trap and draw fatty acids towards accumulation (PubMed:14991074, PubMed:15897321). Plays a pivotal role in regulating available LCFA substrates from exogenous sources in tissues undergoing high levels of beta-oxidation or triglyceride synthesis (PubMed:12235169). May be involved in regulation of cholesterol metabolism (PubMed:12235169).[UniProtKB/Swiss-Prot Function]