

Product datasheet for **MR210022L4V**

AcsI5 (NM_027976) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AcsI5 (NM_027976) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	AcsI5
Synonyms:	1700030F05Rik; ACS2; ACS5; FacI5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027976
ORF Size:	2052 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210022).
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_027976.2 , NP_082252.1
RefSeq Size:	3167 bp
RefSeq ORF:	2052 bp
Locus ID:	433256
UniProt ID:	Q8JZR0
Cytogenetics:	19 D2



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Gene Summary:

Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL5 may activate fatty acids from exogenous sources for the synthesis of triacylglycerol destined for intracellular storage (By similarity). It was suggested that it may also stimulate fatty acid oxidation (By similarity). At the villus tip of the crypt-villus axis of the small intestine may sensitize epithelial cells to apoptosis specifically triggered by the death ligand TRAIL (By similarity). May have a role in the survival of glioma cells (By similarity). Utilizes a wide range of saturated fatty acids with a preference for C16-C18 unsaturated fatty acids (By similarity).[UniProtKB/Swiss-Prot Function]