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Product datasheet for RC220982L3V

ACSM2A (NM_001010845) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ACSM2A (NM_001010845) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACSM2A
Synonyms:	A-923A4.1; ACSM2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001010845
ORF Size:	1731 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220982).
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_001010845.1, NP_001010845.1
RefSeq Size:	2322 bp
RefSeq ORF:	1734 bp
Locus ID:	123876
Cytogenetics:	16p12.3
Protein Pathways:	Butanoate metabolism, Metabolic pathways
MW:	64 kDa

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Gene Summary: This gene encodes a mitochondrial acyl-coenzyme A synthetase that is specific for medium chain fatty acids. These enzymes catalyze fatty acid activation, the first step of fatty acid metabolism, through the transfer of acyl-CoA. These enzymes also participate in the glycine conjugation pathway in the detoxification of xenobiotics such as benzoate and ibuprofen. Expression levels of this gene in the kidney may be correlated with kidney function. This gene and its paralog ACSM2B (Gene ID: 348158), both present on chromosome 16, likely arose from a chromosomal duplication event. [provided by RefSeq, May 2017]