

## Product datasheet for **RC220646L4V**

### ACSM1 (NM\_052956) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ACSM1 (NM_052956) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACSM1
Synonyms:	BUCS1; MACS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_052956
ORF Size:	1731 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220646).
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_052956.1</a>
RefSeq Size:	1945 bp
RefSeq ORF:	1734 bp
Locus ID:	116285
UniProt ID:	<a href="#">Q08AH1</a>
Cytogenetics:	16p12.3
Protein Pathways:	Butanoate metabolism, Metabolic pathways
MW:	65.1 kDa



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**Gene Summary:**

Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro). Functions as GTP-dependent lipoate-activating enzyme that generates the substrate for lipoyltransferase (By similarity).[UniProtKB/Swiss-Prot Function]