

OriGene Technologies, Inc.

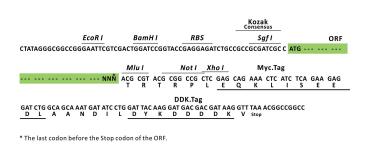
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Product datasheet for RC206247L1

Acetoacetyl CoA synthetase (AACS) (NM_023928) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acetoacetyl CoA synthetase (AACS) (NM_023928) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Acetoacetyl CoA synthetase
Synonyms:	ACSF1; SUR-5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206247).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Mlu I GCG ATC GCIC ATG // NNN ACG CGT



ACCN: ORF Size: NM_023928 2016 bp



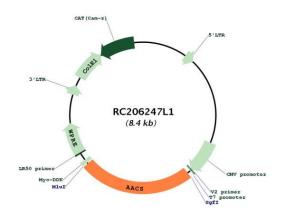
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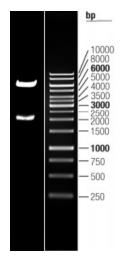
	acetyl CoA synthetase (AACS) (NM_023928) Human Tagged Lenti ORF Clone – RC206247L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 023928.2</u>
RefSeq Size:	3329 bp
RefSeq ORF:	2019 bp
Locus ID:	65985
UniProt ID:	<u>Q86V21</u>
Cytogenetics:	12q24.31
Domains:	AMP-binding
Protein Pathways:	Butanoate metabolism
MW:	75 kDa
Gene Summary:	Activates acetoacetate to acetoacetyl-CoA. May be involved in utilizing ketone body for the fatty acid-synthesis during adipose tissue development (By similarity).[UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for RC206247L1



Double digestion of RC206247L1 using Sgfl and Mlul

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