

## Product datasheet for **RC204368**

### ACSF2 (NM\_025149) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF2 (NM_025149) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACSF2
Synonyms:	ACSMW; AVYV493
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RC204368 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTGTCTACGTCGGGATGCTGCGCCTGGGAGGCTGTGCGCCGGGAGCTCGGGGTGCTGGGGCCC  
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 GCAGATGGAACGACATCTAAATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC204368 protein sequence  
 Red=Cloning site Green=Tags(s)

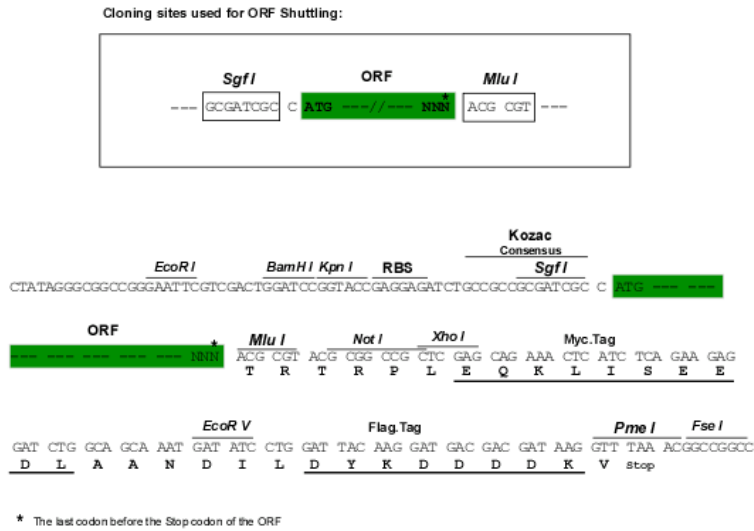
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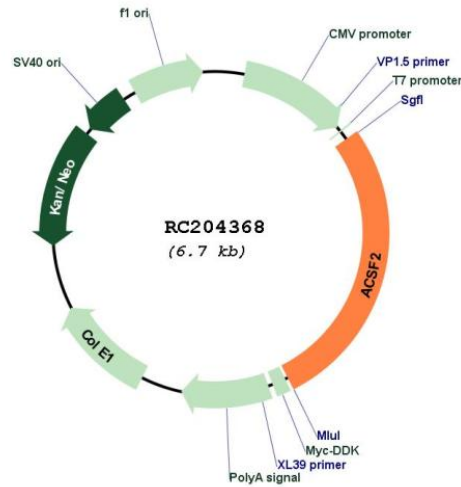
Chromatograms: [https://cdn.origene.com/chromatograms/mk6247\\_g07.zip](https://cdn.origene.com/chromatograms/mk6247_g07.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:

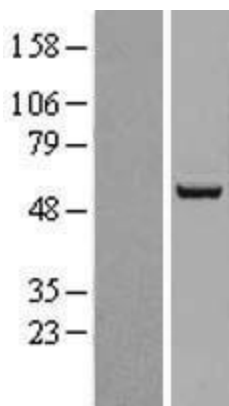


ACCN: NM\_025149

ORF Size: 1845 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_025149.3</a> , <a href="#">NP_079425.2</a>
<b>RefSeq Size:</b>	2245 bp
<b>RefSeq ORF:</b>	1848 bp
<b>Locus ID:</b>	80221
<b>UniProt ID:</b>	<a href="#">Q96CM8</a>
<b>Domains:</b>	AMP-binding
<b>MW:</b>	68.2 kDa
<b>Gene Summary:</b>	Acyl-CoA synthases catalyze the initial reaction in fatty acid metabolism, by forming a thioester with CoA. Has some preference toward medium-chain substrates. Plays a role in adipocyte differentiation.[UniProtKB/Swiss-Prot Function]

### Product images:



Western blot validation of overexpression lysate (Cat# [LY410866]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204368 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).