

## Product datasheet for **SC336946**

### ACSF2 (NM\_001288969) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF2 (NM_001288969) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSF2
Synonyms:	ACSMW; AVYV493
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



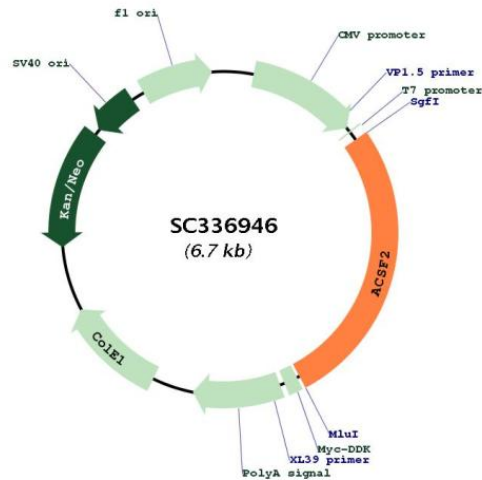
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**Fully Sequenced ORF:** >SC336946 representing NM\_001288969.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCTGTCTACGTCGGGATGCTGCGCCTGGGGAGGCTGTGCGCCGGGAGCTCGGGGTGCTGGGGCC
CGGGCCGCCCTCTCTCGGAGTTGGCAGGAAGCCAGGTTGCAGGGTGTCCGCTTCCCTCAGTCCAGAGAG
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AACAGCAAGACTGTGGCCAGTGCTGGAGACCACAGCACAGAGGTCCCAAGAGAGGCCTTGTC
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GAGAATGCCAGCCAGGGGCCCTGAAGAGTCAGAGGCTCCAGATCTGACCACAGTCATCTCGGTGGAT
GCCCTTTGCCGGGACCCTGCTCCTGGATGAAGTGGTGGCGGCTGGCAGCACACGGCAGCATCTGGAC
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ACAGGCAGCCCCAAGGGGGCCACCTCTCCCACTACAACATTGTCAACAACCTCAACATTTTAGGAGAG
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CATCTAAATCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001288969

**Insert Size:** 1809 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. 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:** [NM\\_001288969.1](#)

**RefSeq Size:** 2206 bp

**RefSeq ORF:** 1809 bp

**Locus ID:** 80221

**UniProt ID:** [Q96CM8](#)

**Cytogenetics:** 17q21.33

**MW:** 66.8 kDa

**Gene Summary:**

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]

Transcript Variant: This variant (3) lacks an in-frame exon in the 5' coding region, and uses two alternate in-frame splice sites in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.