

## Product datasheet for **SC336833**

### ACSF2 (NM\_001288970) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF2 (NM_001288970) 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)

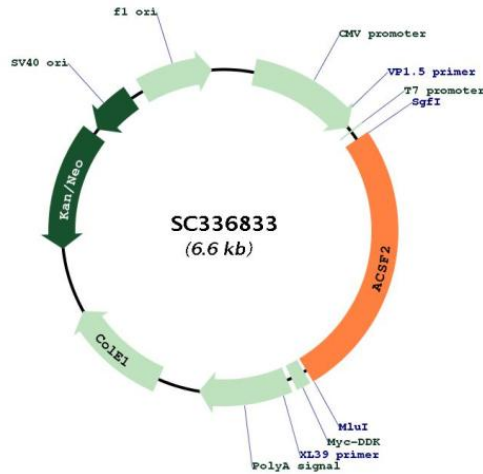


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Fully Sequenced ORF: >SC336833 representing NM\_001288970.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGTCTACGTCGGGATGCTGCGCCTGGGGAGGCTGTGCGCCGGGAGCTCGGGGTGCTGGGGCC
CGGGCCGCCCTCTCTCGAGTTGGCAGGAAGCCAGGTTGCAGGGTGTCCGCTTCCAGTCCAGAGAG
GTGGATCGCATGGTCTCCACGCCATCGGAGGCCCTCAGCTACGTTTCAGGGGTGCACCAAAAAGCATCTT
AACAGCAAGACTGTGGCCAGTGCTGGAGACCACAGCACAGAGGTCACCAAGAGAGGCCTTGTC
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CAGGCTATGGAAGTGGAGTATGCTCTCAAGAAGTGGGCTGCAAGGCCCTTGTGTCCCCAAGCAATTC
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GACTTCTTTCACACACACCCGAAGGTGCAGGAAGTGCAGGTGGTGGGAGTGAAGGACGATCGGATGGGG
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TGCAAAGGAAGATCTCTCACTTCAAGATTCGAAGTACATCGTGTGTTGTACAACTACCCCTCACC
ATTTCAAGAAAGATCCAGAAATCAAATTCGAGAGCAGATGGAACGACATCTAAATCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001288970

**Insert Size:** 1719 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\\_001288970.1](#)

**RefSeq Size:** 2116 bp

**RefSeq ORF:** 1719 bp

**Locus ID:** 80221

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

**Cytogenetics:** 17q21.33

**MW:** 63.7 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 (4) lacks two in-frame exons in the 5' and central coding regions, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.