

Product datasheet for **SC335262**

ACSF3 (NM_001284316) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACSF3 (NM_001284316) Human Untagged Clone
Tag: Tag Free
Symbol: ACSF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC335262 representing NM_001284316.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGCCTGAGTTCAGCCCTCAGCAGGTTTGGGAAAAGTTCTTAAGTTCTGAAACGCCGCGGATCAAT
GTCTTTATGGCAGTGCCTACAATATACACCAAGCTGATGGAGTACTACGACAGGCATTTTACCCAGCCG
CACGCCAGGATTTCTTGCGTGCAGTTTGTGAAGAAAAAATTAGGCTGATGGTCTCAGGCTCAGCTGCC
CTGCCCCCTCCAGTGTGGAGAAGTGAAGAATCACGGGCCACACCCTGCTGGAGCGGTATGGCATG
ACCGAGATCGGCATGGCTCTGTCCGGGCCCTGACCACTGCCGTGCGCCTGCCAGGTTCCGTGGGGACC
CCACTGCCTGGAGTACAGGTGCGCATTGTCTCAGAAAACCCACAGAGGGAAGCCTGCTCCTACACCATC
CACGCAGAGGGGAGACGAGAGGGGGACCAAGGTGACCCAGGGTTTGAAGAAAAGGAGGGGGAGCTGCTG
GTGAGGGGACCCCTCCGTGTTTCGAGAATACTGGAATAAACAGAAAGAACTAAGAGTGCATTACCCCTG
GATGGCTGGTTTAAAGACAGGGGACACCGTGGTGTAAAGGATGGCCAGTACTGGATCCGAGGCCGACC
TCAGTGGACATCATCAAGACTGGAGGCTACAAGGTGAGCGCCCTGGAGGTGGAGTGGCACCTGCTGGCC
CACCCAGCATCACAGATGTGGCTGTGATTGGAGTTCGGATATGACATGGGGCCAGCGGTCAGTCTGCT
GTGGTGACCCCTCCGAGAAGGACACTCACTGTCCCACAGGGAGCTCAAAGAGTGGGCCAGAAATGTCCTG
GCCCGTACGCGGTGCCCTCGGAGCTGGTGTGGTGGAGGAGATCCCGGAACCCAGATGGCAAGATT
GACAAGAAGGCGCTCATCAGGCACTTCCACCCCTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
ACCN: NM_001284316
Insert Size: 936 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001284316.1</u>
RefSeq Size:	2888 bp
RefSeq ORF:	936 bp
Locus ID:	197322
Cytogenetics:	16q24.3
MW:	35.1 kDa
Gene Summary:	<p>This gene encodes a member of the acyl-CoA synthetase family of enzymes that activate fatty acids by catalyzing the formation of a thioester linkage between fatty acids and coenzyme A. The encoded protein is localized to mitochondria, has high specificity for malonate and methylmalonate and possesses malonyl-CoA synthetase activity. Mutations in this gene are a cause of combined malonic and methylmalonic aciduria. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (3) lacks two exons, one of which contains a portion of the 5' UTR and the other which contains a portion of the 5' coding region including the start codon, compared to variant 1. These differences cause translation initiation at a downstream start codon and result in an isoform (2) with a shorter N-terminus, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>