

Product datasheet for **SC309225**

ACSF3 (NM_174917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF3 (NM_174917) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSF3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_174917, the custom clone sequence may differ by one or more nucleotides <pre> ATGCTGCCCCATGTGGTGCTCACCTTCCGGCGCCTGGGCTGCGCCTTGGCGTCTCTGCCGG CTGGCGCCTGCGAGACACAGAGGAAGTGGTCTTCTGCACACAGCCCCAGTGGCCCCGCTCG GACAGGAGCGCCCCGGTGTTCACCCGTGCCCTTGGGACAGAATCGCCCTGGTT GACCAGCACGGCCGCCACACGTACAGGGAGCTTTATCCCGCAGCCTTCGCCTGTCCCAG GAGATCTGCAGGCTCTGCGGGTGTGTGCGCGGGGACCTCCGGGAGGAGAGGGTCTCCTTC CTATGCGCTAACGATGCCTCCTACGTCTGCGCCAGTGGGCGTCATGGATGAGTGGCGGT GTGGCAGTCCCCCTCTACAGGAAGCATCCCGCGGCCAGCTGGAGTATGTATCTGCGAC TCCCAGAGCTCTGTGGTCTTGCCAGCCAGGAGTACCTGGAGCTCCTGAGCCCGGTGGTC AGGAAGCTGGGGGTCCCCTGCTGCCGCTCACACCAGCCATCTACACTGGAGCAGTAGAG GAACCGGCAGAGGTCCCGGTCCCAGAGCAGGATGGAGGAACAAGGGCGCCATGATCATC TACACCAGTGGGACCACGGGAGGCCCAAGGGCGTGTGAGCACGCACCAAAACATCAGG GCTGTGGTGACCGGGCTGGTCCACAAGTGGGCATGGACCAAGACGAGTATCTCCAC GTGCTCCCGCTGCACCACGTCCATGGTGTGGTCAACGCGCTGCTGTCTCTCTGGGTG GGAGCCACCTGTGTGATGATGCCTGAGTTCAGCCCTCAGCAGGTTTGGGAAAAGTTCTTA AGTTCTGAAACGCCGCGGATCAATGTCTTTATGGCAGTGCCTACAATATACACCAAGCTG ATGGAGTACTACGACAGGCATTTTACCCAGCCGCACGCCAGGATTTCTTGCCTGCAAGT TGTGAAGAAAAAATTAGGCTGATGGTCTCAGGCTCAGCTGCCCTGCCCTCCCAGTGCTG GAGAAGTGAAGAACATCACGGGCCACACCCTGCTGGAGCGGTATGGCATGACCGAGATC GGCATGGCTCTGTCCGGGCCCTGACCACTGCCGTGCGCTGCCAGGTTCCGTGGGGACC CCACTGCCTGGAGTACAGGTGCGCATTGTCTCAGAAAACCCACAGAGGGAAGCCTGCTCC TACACCATCCACGCAGAGGGAGACGAGAGGGGGACCAAGTGACCCAGGGTTTGAAGAA AAGGAGGGGGAGCTGCTGGTGAGGGGACCCTCCGTGTTTCGAGAATACTGGAATAAACCA GAAGAACTAAGAGTGCAATTCACCCTGGATGGCTGGTTTAAGACAGGGGACACCGTGGTG TTTAAGGATGGCCAGTACTGGATCCGAGCGCGGACCTCAGTGGACATCATCAAGACTGGA GGCTACAAGGTCAGCGCCTGGAGGTGGAGTGGCACCTGCTGGCCACCCAGCATCACAC GATGTGGCTGTGATTGGAGTTCCGGATATGACATGGGGCCAGCGGGTCACTGCTGTGGTG ACCCTCCGAGAAGGACACTCACTGTCCCACAGGGAGCTCAAAGAGTGGGCCAGAAATGTC CTGGCCCCGTACGCGGTGCCCTCGGAGCTGGTGTGGTGGAGGAGATCCCGCGGAACAG ATGGGCAAGATTACAAGAAGGCGCTCATCAGGCACTTCCACCCCTCATGA </pre>
Restriction Sites:	Please inquire



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ACCN:	NM_174917
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_174917.1, NP_777577.1</u>
RefSeq Size:	3555 bp
RefSeq ORF:	1731 bp
Locus ID:	197322
UniProt ID:	<u>Q4G176</u>
Cytogenetics:	16q24.3
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1, 2 and 4 encode the same isoform (1). 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.