

Product datasheet for **SC320460**

ACSF2 (NM_025149) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF2 (NM_025149) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSF2
Synonyms:	ACSMW; AVYV493
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_025149.3
 CCGGGACGCAGGGCAAAGCGAGCCATGGCTGTCTACGTCCGGATGCTGCGCCTGGGGAGG
 CTGTGCGCCGGGAGCTCGGGGTGCTGGGGGCCCGGGCCGCCTCTCTCGGAGTTGGCAG
 GAAGCCAGGTTGCAGGGTGTCCGCTTCCCTCAGTTCCAGAGAGGTGGATCGCATGGTCTCC
 ACGCCCATCGGAGGCCTCAGTACGTTCCAGGGTGCACCAAAAAGCATCTTAACAGCAAG
 ACTGTGGTCCAGTGCCTGGAGACCACAGCACAGAGGGTCCCAGAACGAGAGGCCTTGTC
 GTCTCCATGAAGACGTCAGTTGACCTTTGCCAACTCAAGGAGGAGGTGGACAAGCT
 GCTTCTGGCCTCCTGAGCATTGGCCTCTGCAAAGGTGACCGGCTGGGCATGTGGGACCT
 AACTCCTATGCATGGGTGCTCATGCAGTTGGCCACCGCCAGGCGGGCATCATTCTGGTG
 TCTGTGAACCCAGCCTACCAGGCTATGGAAGTGGAGTATGCTCTCAAGAAGGTGGGCTGC
 AAGGCCCTTGTGTTCCCAAGCAATTCAAGACCCAGCAATACTACAACGCTCTGAAGCAG
 ATCTGTCCAGAAGTGGAGAATGCCAGCCAGGGCCTTGAAGAGTCCAGAGGCTCCAGAT
 CTGACCACAGTCACTCGGTGGATGCCCTTTGCCGGGACCCTGCTCCTGGATGAAGTG
 GTGGCGGTGGCAGCACACGGCAGCATCTGGACCAGTCCAATAACAACCAGCAGTTCCTG
 TCCTGCCATGACCCCATCAACATCCAGTTCACCTCGGGGACAACAGGCAGCCCCAAGGGG
 GCCACCCTCTCCACTACAACATTGTCAACAACCTCAACATTTTAGGAGAGCGCCTGAAA
 CTGCATGAGAAGACACCAGAGCAGTTGCGGATGATCCTGCCAACCCCTGTACCATTGC
 CTGGGTTCCGTGGCAGGCACAATGATGTGTCTGATGTACGGTGCCACCCTCATCCTGGCC
 TCTCCCATCTTCAATGGCAAGAAGGCACTGGAGGCCATCAGCAGAGAGAGAGGCACCTTC
 CTGTATGGTACCCACGATGTTCTGTGGACATTCTGAACCAGCCAGACTTCTCCAGTTAT
 GACATCTCGACCATGTGTGGAGGTGTCATTGCTGGGTCCCCTGCACCTCCAGAGTTGATC
 CGAGCCATCATCAACAAGATAAATATGAAGGACCTGGTGGTTGCTTATGGAACCACAGAG
 AACAGTCCCCTGACATTCGCGCACTTCCCTGAGGACACTGTGGAGCAGAAGGCAGAAAGC
 GTGGGCAGAATTATGCCTCACACGGAGGCGGGATCATGAACATGGAGGCAGGGACGCTG
 GCAAAGCTGAACACGCCCGGGGAGCTGTGCATCCGAGGGTACTGCGTCATGCTGGGCTAC
 TGGGGTGAGCCTCAGAAGACAGAGGAAGCAGTGGATCAGGACAAGTGGTATTGGACAGGA
 GATGTGCGCCACAATGAATGAGCAGGGCTTCTGCAAGATCGTGGGCCGCTCAAGGATATG
 ATCATCCGGGGTGGTGAACATCTACCCCGCAGAGCTCGAGGACTTCTTTCACACACAC
 CCGAAGGTGCAGGAAGTGCAGGTGGTGGGAGTGAAGGACGATCGGATGGGGGAAGAGATT
 TGTGCCTGCATTCGGCTGAAGGACGGGGAGGAGACCACGGTGGAGGAGATAAAGCTTTC
 TGCAAAGGGAAGATCTCTCACTTCAAGATTCGGAAGTACATCGTGTGTTGTCACAACTAC
 CCCTCACCATTTAGGAAAGATCCAGAAATTCAACTTCGAGAGCAGATGGAACGACAT
 CTAATCTGTGAATAAAGCAGCAGGCCTGTCTGGCCGGTTGGCTTGACTCTCTCCTGTC
 AGAATCCAACCTGGCTTATGCACCTAGATGTCCCAGCACCCAGTTCTGAGCCAGGCAC
 ATCAAATGTCAAGGAATTGACTGAACGAACTAAGAGCTCCTGGATGGGTCCGGAACTCG
 CCTGGGCACAAGGTGCCAAAAGGCAGGCAGCCTGCCAGGCCCTCCCTCCTGTCCATCCC
 CCACATTTCCCTGTCTGTCTTGTGATTGGCATAAAGAGCTTCTGTTTTCTTTGGCAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_025149

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:	<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_025149.3</u> , <u>NP_079425.2</u>
RefSeq Size:	2205 bp
RefSeq ORF:	1848 bp
Locus ID:	80221
UniProt ID:	<u>Q96CM8</u>
Cytogenetics:	17q21.33
Domains:	AMP-binding
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>