

Product datasheet for **SC102225**

ACSL6 (NM_015256) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSL6 (NM_015256) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSL6
Synonyms:	ACS2; FACL6; LACS2; LACS5; LACS 6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_015256 edited
 ATGCTGACCTTCTCCTCGTGTCCGGGGCTCCCTCTGGCTATTCGTAGAGTTTGTCTC
 TCACCTTCTGGAGAAGATGCAGACACAGGAGATCCTGAGGATACTGCGACTGCCTGAGCTA
 GGTGACTTGGGACAGTTTTTCCGCAGCCTCTCGGCCACCACCCTCGTGTAGTATGGGTGCC
 CTGGCTGCCATCCTTGCCTACTGGTTCACTCACGGCCAAAGGCCTTGCAGCCGCATGC
 AACCTCCTGATGCAGTCAGAAGAAGTAGAGGACAGTGGCGGGGCACGGCGATCTGTGATT
 GGGTCTGGCCCTCAGCTACTTACCCTACTATGATGATGCCCGGACCATGTACCAGGTG
 TTCCGCCGTGGCTTAGCATCTCAGGGAATGGCCCTGTCTTGGTTTCAGGAAGCCTAAG
 CAGCCTTACCAGTGGCTGTCTACCAGGAGGTGGCCGACAGGGCTGAATTTCTGGGGTCC
 GGACTTCTCCAGCACAATTGTAAAGCATGCACTGATCAGTTTATTGGTGTTTTGCACAA
 AATCGGCCAGAGTGGATCATTGTGGAGCTGGCCTGCTACACATATTCATGGTGGTGGTC
 CCGCTCTATGACACCCTGGGCCCTGGGGCTATCCGCTACATCATCAATACAGCGGACATC
 AGCACCGTGATTGTGGACAAACCTCAGAAGGCTGTCTTCTGCTAGAGCATGTGGAGAGG
 AAGGAGACTCCAGGCCTCAAGCTGATCATCCTCATGGACCCATTGAAGAAGCCCTGAAA
 GAGAGAGGGCAGAAGTGCGGGTGGTCATTAAGTCCATGCAGGCCGTGGAGGACTGTGGC
 CAAGAGAATCACCAGGCTCCTGTGCCCCCGCAGCCTGATGACCTCTCCATTGTGTGTTTC
 ACAAGCGGCACGACAGGGAAACCCAAAAGGTGCGATGCTCACCCATGGGAACGTGGTGGCT
 GATTTCTCAGGCTTTCTGAAAGTGACAGAGAGTCAAGTGGGCTCCCACTTGTGCGGATGTG
 CACATTTCTATTTGCCTTAGCACACATGTTTGAGCGAATGGTGCAGTCTGTGCTCTAT
 TGCCACGGAGGGCGTGTGGCTTCTCCAGGGAGATATCCGCCTTCTCTCAGATGACATG
 AAGGCTCTATGCCCCACCATCTCCCTGTGGTCCCACGACTGTGAACCGGATGTACGAC
 AAGATCTTCAGCCAGGCAACACACCATTAAAGCGCTGGCTCCTGGAGTTTGCAGCAAAG
 CGTAAGCAAGCCGAGGTCGGAGTGGAAATCATCAGGAATGATAGTATCTGGGATGAACTC
 TTCTTTAATAAGATTTCAGGCCAGTCTTGGTGGGTGTGCGGATGATTGTTACTGGAGCA
 GCCCAGCATACCAACAGTTCTGGGATTTCTCCGGGCAGCTCTAGGGTGCCAGGTTTAT
 GAAGGTTATGGCCAAACTGAGTGACAGCTGGATGTACCTTACCCTCTGGCGACTGG
 ACCTCAGGGCACGTAGGGGCGCCACTTCCCTGCAATCATATCAAGCTCGTTGATGTTGAG
 GAACTGAACTACTGGCCTGCAAAGGAGAGGGAGAGATATGTGTGAGAGGACCAATGTG
 TTCAAAGGCTACTTGAAGATCCAGACAGGACGAAGGAGGCCCTGGACAGCGATGGCTGG
 CTTACACTGGAGACATCGAAAATGGCTGCCCGCAGGAACTCTTAAAATTATTGATCGG
 AAAAAGCATATATTTAACTTGGCTCAGGGAGAATATGTTGCACCCGAGAAGATTGAGAAC
 ATCTACATCCGGAGCCAACCTGTGGCGCAAATCTATGTCCATGGGGACAGCTTAAAGGCC
 TTTTTGGTAGGCATTGTTGTGCCTGACCCTGAAGTTATGCCCTCCTGGGCCCAGAAGAGA
 GGAATTGAAGGAACATATGCAGATCTCTGCACAAATAAGGATCTGAAGAAAGCCATTTTG
 GAAGATATGGTGAAGTTAGGAAAAGAAAGTGGACTCCATTCTTTTGAGCAGGTTAAAGCC
 ATTCACATCCATTCTGACATGTTCTCAGTTCAAATGGCTTGCTGACACCAACACTAAAA
 GCTAAGAGACCTGAGCTGAGAGAGTACTTCAAAAAACAAATAGAAGAGCTTTACTCAATC
 TCCATGTGA

Restriction Sites: NotI-NotI

ACCN: NM_015256

Insert Size: 2600 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).

OTI Annotation: no

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_015256.1</u> , <u>NP_056071.1</u>
RefSeq Size:	2555 bp
RefSeq ORF:	2094 bp
Locus ID:	23305
UniProt ID:	<u>Q9UKU0</u>
Cytogenetics:	5q31.1
Domains:	AMP-binding
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway
Gene Summary:	<p>The protein encoded by this gene catalyzes the formation of acyl-CoA from fatty acids, ATP, and CoA, using magnesium as a cofactor. The encoded protein plays a major role in fatty acid metabolism in the brain. Translocations with the ETV6 gene are causes of myelodysplastic syndrome with basophilia, acute myelogenous leukemia with eosinophilia, and acute eosinophilic leukemia. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2011]</p> <p>Transcript Variant: This variant (1) represents one of the two longest transcripts and encodes one of the two longest isoforms (a). 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>