

## Product datasheet for **SC331645**

### ACSL6 (NM\_001205251) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACSL6 (NM\_001205251) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ACSL6  
**Synonyms:** ACS2; FA6L6; LACS2; LACS5; LACS 6  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331645 representing NM\_001205251.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCAGACACAGGAGATCCTGAGGATACTGCGACTGCCTGAGCTAGGTGACTTGGGACAGTTTTTCCGC
AGCCTCTCGGCCACCACCCTCGACAGTGGCGGGCACGGCGATCTGTGATTGGGTCTGGCCCTCAGTCA
CTTACCCACTACTATGATGATGCCCGGACCATGTACCAGGTGTTCCGCCGTGGGCTTAGCATCTCAGGG
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GACAGGGCTGAATTTCTGGGGTCCGACTTCTCCAGCACAATTGTAAGCATGCACTGATCAGTTTATT
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GTGGTCCCGCTCTATGACACCCTGGGCCCTGGGGCTATCCGCTACATCATCAATACAGCGGACATCAGC
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TCAGATGACATGAAGGCTCTATGCCCCACCATCTCCCTGTGGTCCCACGACTGCTGAACCGGATGTAC
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CCTGAAGTTATGCCCTCCTGGGCCCAGAAGAGAGGAATTGAAGGAACATATGCAGATCTCTGCACAAAT
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GAGCAGGTTAAAGCCATTACATCCATTCTGACATGTTCTCAGTTCAAAATGGCTTGCTGACACCAACA
CTAAAAGCTAAGAGACCTGAGCTGAGAGAGTACTTCAAAAACAAATAGAAGAGCTTTACTCAATCTCC
ATGTGA
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001205251
<b>Insert Size:</b>	1869 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001205251.1</a>
<b>RefSeq Size:</b>	6316 bp
<b>RefSeq ORF:</b>	1869 bp
<b>Locus ID:</b>	23305
<b>UniProt ID:</b>	<a href="#">Q9UKU0</a>
<b>Cytogenetics:</b>	5q31.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway
<b>MW:</b>	69.2 kDa
<b>Gene Summary:</b>	<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 (6) differs in the 5' UTR and coding sequence and lacks two alternate in-frame coding sequences compared to variant 1. The resulting isoform (f) is shorter at the N-terminus and lacks two internal segments compared to isoform 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>