

## Product datasheet for **MC203923**

### **Acsl6 (NM\_001033598) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acsl6 (NM_001033598) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acsl6
Synonyms:	A330035H04Rik; AW050338; FacI6; LACS; Lacsl; mKIAA0837
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC016114  
 CCCGCTGCCATTTGAGCCTGCCTAGCCATAAACCTTGGAGGCCGGTCTGTGGAGAGATTGCTCTCTCA  
 CTTCTGGAGAAGATGCAGACCCAGGAGATCCTGAGGATCCTGCGGCTGCCGAGCTATCGGACTTGGGCC  
 AGTTTTTCCGACGCTCTCAGCTACCACCTCGTGAGTGTGGGTGCACTGGCTGCCGTCTTGCCTACTG  
 GCTCACTACCCGGCCAAAGGCCTTGAACCACCATGCAACCTCCTGAAGCAGTCGGAAGAAGTGGAGGAC  
 GGTGGTGGAGCCCGCGATCTGTGATTGGGGTTGCACTCAATTGCTTACCCATTACTATGACGATGCC  
 GGACCATGTACCAGGTGTTCCGCCGTGGCTTAGCATCTCAGGGAATGGACCCTGTCTTGGCTTCCGGAA  
 GCCAGAGCAACCTTACCAGTGGCTGTCTACCAAGAGGTGGCCAAAAGGCCTGAATTTCTGGGGTCGGGG  
 CTTCTCCAGCACGACTGTAAAGTGGGCACAGAGCAATTGTTGGTGTGTTTTGCACAAAATCGGCCGAGT  
 GGATCATTGCCGAGCTGGCCTGTACACGTATTCCATGGTGGTGTACCCTCTACGACACCCTGGGCC  
 AGGGTCTATCAGCTACATCATCAATACTGCGGACATTTGCACGGTAATCGTCGATAAACCCACAAAGGCA  
 ACACCTTCTGTGGAACACGTGGAGAGGAAGGAGACTCCGGGCCTCAAGCTGGTATCCTCATGGAGCCGT  
 TTGAGGACGCCCTGAGAGAGAGAGAAAGTGCAGGATCAAGTCCATGCAGGCTATAGAGGA  
 CTGTGGCCGAGAGAATCATCATGCCCCGTGCCCCACGGCCTGATGACCTCTCCATCGTGTGTTTACA  
 AGTGGTACAACAGGGAACCCAAAGGTGCAATGCTCACCCACGGGAACGTGGTGGCCGATTTCTCGGGCT  
 TTCTGAAAGTGACAGAGAAAGTGATCTTCCGAGACAGGACGATGTGCTCATCTCCTTCCCTGCTTGGC  
 TCACATGTTTGAGAGAGTGATCCAGTCTGTTGTCTACTGCCACGGAGGGCGCTGGGCTTCTCCAGGGA  
 GACATCCGCTCCTCTCAGATGACATGAAGGCTCTCCGCCCTACCATCTTCCCTGTGGTCCCACGGCTGC  
 TGAATCGGATGTATGACAAGATCTTCCACCAGGCAGACACCTCACTAAAGCGCTGGCTCCTGGAGTTTG  
 AGCAAAGCGCAAGCAGGCAGAGGTCCGGAGCGGAATCATCAGAAACAATAGTATCTGGGATGAACTTTC  
 TTTAATAAGATTACAGCCAGTCTTGGTGGGCATGTGAGGATGATTGTCACTGGAGCAGCCCCGCGTAC  
 CAACGGTCTGGGATTCCTACGAGCAGCTCTGGGGTCCAGGTCTATGAAGTATGGGCAAACTGAATG  
 CACAGCTGGGTGTAACCTTCAACACGCCAGGGGACTGGACATCAGGGCATGTAGGGCACCTTGCCTGC  
 AACACATCAAGCTGGTCGATGCAGAGGAACCTCACTACTGGACCTGCAAAGGAGAAGGAGAGATATGTG  
 TGAAAGGACCAAATGTGTTCAAAGGCTACTTAAAAGACGAGGACAGGACAAAGGAGGCCCTGGACAGCGA  
 CGGCTGGCTTCACTGGAGACATTGGGAAATGGCTGCCGGAGGGAACACTCAAAATCATTGATCGGAAA  
 AAGCACATATTTAAACTTGTCTAGGGGGAATATGTTGCGCCAGAGAAGATCGAGAACATCTACATCCGGA  
 GTGAGCCTGTGGCAGAACTACGTCCACGGGGACAGCTTAAAGGCCTTTTTGGTGGCATTGTCGTGCC  
 TGACCCTGAAGTCATGCCTTCTGGGCTCAGAAGAAAGGAATCGAAGGGACCTATCAGGAACTCTGCATG  
 AAAAAGGAATTGAAGAAAGCCATTCTGGATGACATGGTGTGCTGGGAAAGAAAGCGGACTGCATTCTT  
 TTGAACAGTTAAAGCCATTTACATCCATTGTGACATGTTCTCTGTTCAAATGGTCTGCTGACACCAAC  
 ACTAAAGGCTAAGAGACCGGAGCTGAGAGAGTACTTCAAAAAGCAAATAGAAGAGCTTTACTTAGTCTCC  
 GTGTGAAGCTCCAGGAGGCCCTCTCAGTCCGATGAACTTTGCAGCAATATTATAGTTATTCGTGAGAG  
 AAAGGAATCAGAAATGCCACAGCTCAAAGTGAACAAGCACCTGATTTTTGCAACTGAGCCTTCTGACCC  
 AAGAAGTCTTAACAATATTTTCTACCATCACCAAGTACACTTTATTTTTATTAATGATATTGTAGC  
 AAGCTGCTAAAAAAAATATCGCAAACGGTAATGTAACAAATCAAGACACTTTCTGAAGAAGTGTG  
 TACCACTAAAAGTAATATATTCGAATGTTACAGAAATCCATTAACAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_001033598

**Insert Size:** 2094 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).

**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:** [BC016114](#), [AAH16114](#)

**RefSeq Size:** 2513 bp

**RefSeq ORF:** 2094 bp

**Locus ID:** 216739

**UniProt ID:** [Q91WC3](#)

**Cytogenetics:** 11 32.13 cM

**Gene Summary:** Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Plays an important role in fatty acid metabolism in brain and the acyl-CoAs produced may be utilized exclusively for the synthesis of the brain lipid (By similarity). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) differs in the 5' UTR and coding region and uses a downstream start codon, compared to variant 1. The resulting protein (isoform 3) has a shorter and distinct N-terminus, compared to isoform 1.