

Product datasheet for **MC205805**

Acsl6 (NM_001033597) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsl6 (NM_001033597) 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)



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Fully Sequenced ORF: >BC022959
 GCGGCGGCAGAGGCAGGATCTGAGGCTGCGGGGCTGCGGGCTGGGAAGCAGTGCGGGCCGGGCTGGGCC
 GGCTCACCGACATGCTGACCTTCTTCTGGTGTGCGGGGGTTCTCTCGGCTGTTTGCCGAGATTGCTCT
 CTCACTTCTGGAGAAGATGCAGACCCAGGAGATCTGAGGATCTGCGGCTGCCGAGCTATCGGACTTG
 GGCCAGTTTTCCGCAGCCTCTCAGCTACCACCCTCGTGAGTGTGGTGCAGTGGCTGCCGCTCTTGCC
 ACTGGCTCACTACCGGCCAAAGGCCTTGCAACCACCATGCAACCTCTGAAGCAGTCGGAAGAAGTGA
 GGACGGTGGTGGAGCCCGGATCTGTGATTGGGGTTGCACTCAATTGCTTACCCATTACTATGACGAT
 GCCCGGACCATGTACCAGGTGTTCCGCCGTGGCTTAGCATCTCAGGGAATGGACCCTGTCTTGGCTTCC
 GGAAGCCAGAGCAACCTTACCAGTGGCTGTCTACCAAGAGGTGGCCAAAAGGGTGAATTTCTGGGGT
 GGGGCTTCTCCAGCAGACTGTAAGTGGGCACAGAGCAGTTCGTTGGTGTTTTTGCACAAAATCGGCCG
 GAGTGGATCATTGCCGAGCTGGCCTGCTACACGATTCCATGGTGGTGGTACCGCTCTACGACACCCTGG
 GCCCAGGGTCTATCAGCTACATCATCAATACTGCGGACATTTGCACGGTAATCGTCGATAAAACCCACAA
 GGCAACACTTCTGCTGGAACACGTGGAGAGGAAGGAGACTCCGGGCTCAAGCTGGTCATCTCATGGAG
 CCGTTTGAGGACGCCCTGAGAGAGAGAGAAAGAAGTCCGGGGTGGACATCAAGTCCATGCAGGCTATAG
 AGGACTGTGGCCGAGAGAATCATCATGCCCCCGTCCCGCCACGGCCTGATGACCTCTCCATCGTGTGTT
 CACAAGTGGTACAACAGGGAACCCAAAAGGTGCAATGCTCACCCACGGGAACGTGGTGGCCGATTCTCG
 GGCTTTCTGAAAGTGACAGAGAGTCAAGTGGGCCCGACCTGTGCGGACGTCCACTTTTCTACTTGCCTT
 TAGCACACATGTTTGGAGCGCATGGTGCAGTCTGTTGTCTACTGCCACGGAGGGCGCGTGGGCTTCTTCCA
 GGGAGACATCCGCTCCTCTCAGATGACATGAAGGCTCTCCGCCCTACCATCTTCCCTGTGGTCCCACGG
 CTGCTGAATCGGATGTATGACAAGATCTTCCACCAGGCAGACACCTCACTAAAGCGCTGGCTCCTGGAGT
 TTGCAGCAAAGCGCAAGCAGGCAGAGTCCGGAGCGGAATCATCAGAAACAATAGTATCTGGGATGAACT
 CTTCTTTAATAAGATTCAGGCCAGTCTTGGTGGCATGTGAGGATGATTGCTACTGGAGCAGCCCCCGCG
 TCACCAACGGTTCTGGGATTCTACGAGCAGCTCTGGGGTCCAGGTCTATGAAGGTTATGGGCAAACTG
 AATGCACAGCTGGGTGTACCTTCAACAGCCAGGGGACTGGACATCAGGGCATGTAGGGGCACCTTGCC
 CTGCAACCACATCAAGCTGGTCGATGCAGAGGAACTCACTACTGGACCTGCAAAGGAGAAGGAGAGATA
 TGTGTGAAAGGACCAAATGTGTTCAAAGGCTACTTAAAAGACGAGGACAGGACAAAGGAGGCCCTGGACA
 GCGACGGCTGGCTTCACTGGAGACATTGGGAAATGGCTGCCGGAGGGAACACTCAAAATCATTGATCG
 GAAAAAGCACATATTTAAACTTGCTCAGGGGGAATATGTTGCCAGAGAAGATCGAGAACATCTACATC
 CGGAGTGAGCCTGTGGCACAATCTACGTCACCGGGACAGCTTAAAGGCCTTTTTGGTTGGCATTGTGCG
 TGCTGACCTGAAGTCATGCCCTTCTGGGCTCAGAAGAAAGGAATCGAAGGACCTATCAGGAACTCTG
 CATGAAAAAGGAATTGAAGAAAGCCATTCTGGATGACATGGTGTGCTGGGAAAGAAAGCGGACTGCAT
 TCTTTTGAACAGGTTAAAGCCATTTACATCCATTGTGACATGTTCTGTTCAAAATGGTCTGCTGACAC
 CAACACTAAAGGCTAAGAGACCGGAGCTGAGAGAGTACTTCAAAAAGCAAATAGAAGAGCTTACTTAGT
 CTCCGTGTGAAGCTCCAGGAGGGCCCGTCTCAGTCCGATGAACTTTGCAGCAATATTATAGTTATTTCGTG
 AGAGAAAGGAATCAGAATGCCACAGCTCAAAGTGAACAAGCACCTGATTTTTGCAACTGAGCCTTTCCTG
 ACCCAAGAAGTCTCTAACAATATTTCTCTACCATCACCAAGTACACTTTATTTTTATTAATGATATTG
 TAGCAAGCTGCTAAAAAAATATTCGCAACCGTAATGTAAAAACAAATCAAGACTTTCTGAAGAAGT
 GTGTACCCTAAAAGTAATATATTCGCAATGTTACAGAAATCCATTAACATAAAGAAAAAACATAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_001033597
- Insert Size:** 2169 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: [BC022959](#), [AAH22959](#)

RefSeq Size: 2619 bp

RefSeq ORF: 2169 bp

Locus ID: 216739

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 (2) is the same length as but includes an alternative in-frame exon, compared to variant 1. The resulting protein (isoform 2) is the same length as isoform 1 but differs in an internal region.