

Product datasheet for **SC216322**

ACSL3 (NM_203372) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ACSL3 (NM_203372) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ACSL3
Synonyms:	ACS3; FACL3; LACS 3; LACS3; PRO2194
ACCN:	NM_203372
Insert Size:	2000 bp



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Insert Sequence: >SC216322 3'UTR clone of NM_203372
 The sequence shown below is from the reference sequence of NM_203372. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GACATTGAGCGAATGTATGGAAGAAAATAATTATTCTTCTGGCATCAGTTGCTACAGTGAGCTCAG
ATCAAATAGGAAAATACTTGAAATGCATGTCTCAAGCTGCAAGGCAAACCTCCATTCTCATATTAACCT
ATTACTTCTCATGACGTACCATTTTTAACTGACAGGATTAGTAAACATTAAGACAGCAAACCTGTGT
CTGTCTCTTTTCATTTTCCCGCCCAACTTACTTTACCACCTATGACTGTACTTGTGAGTATGAG
AATTTTTCTGAATCATATTGGGGAAGCAGTGATTTTAAACCTCAAGTTTTTAAACATGATTTATATGT
TCTGTATAATGTTTCAGTTTGTAACTTTTTAAAAGTTTGGATGTATAGAGGGATAAATAGGAAATATAAG
AATTGGTTATTTGGGGCTTTTTACTTACTGTATTTAAAAATACAAGGGTATTGATATGAAATTATGT
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TATGCATTTGAGAGAAAATAATATACCCATACTTATGTTTTAAGAAGTTGAGATCTTGTGAATATATGC
CTGTCAAGTGTCTTTATATATTTATTTTTATTAGAAAAAATGAAGTTTGGTTGGTGTATGATGAAA
CAAATAGCAAGAGAGGGTTATAGTTTAAATAGTAAGGGAGATAACACAGCATGTGTAGCACCAGTTGAT
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AATACCCAAACTTAAATGGAAGAATTCTGAAAGAGAGGATAGAATTTAAAGAACAAGAGTATATAAAGT
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TTGTTGAAGTTATTTGAATTCAGAAACCTTGCTTGTGTGATACATAGTCTTTCATTTATTACTGCTT
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AATCATAGGCACCACATTTTTTCATGTCAGACTAGTTACTTTGTTGATTCTCAGTTACTGTAGGCATCAA
AAGGCAAAAATCAAAAAAAAAAAAAAAAAAAAAAAGATGAACCTAGGTCTGTGTAAGTAAG
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CATTGCAATACAGTGTTTTTTTCACTTTTCTTGTATTGTATTTGTATTATGTTTTGAATGCT
TTTCTCTTTTCATAATTAATTAATGTTTGGGATAACTGCCAAGAAGAAGTAAAAATATTGAATGGA
ACTTCTATATGAGGATGCTGTGATCTAAAAATTAATCTCAGTGGGCGGAGAGAATTTGTTTCTGATGC
CTTGTCTTTAGAATAATTGTTTGTCTTTCAGATGATTAAGGAGATTGTATCTAGGAAAAAGTGT
GAATGCTTCAAAGGAGAGATACTGATAATTGTGACTTGAATAGTGTGATGAATTATGTAGCTGATC
ACTGATGGAACCATCTAATGAGGCAGGCTTAACTCTATTTAGTTTCGTTTGTCTCATATGAAGT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_203372.3](#)

Summary:

The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID:

2181

MW:

77.9