

Product datasheet for **MC219352**

Acsf3 (NM_144932) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsf3 (NM_144932) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acsf3
Synonyms:	BB101783
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219352 representing NM_144932
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACCTCACTTGGCACTGCCCTTCAGGCGTCTCTTCTGGTCCTTGGCCTCCAGTCAGCTGATTCCCA
 GAAGACACCGAGGACATAGCCTCCTGCCTACCACCCAGAGGCCACACGGATGGGAGTGTCCCGTATT
 CATCCGTGCCCTGGCCTTTGGGGACAGGATTGCCCTTATTGACAAATATGGCCATCACACCTACAGGGAA
 CTGTATGATCGCAGCCTTTGTCTGGCCAGGAGATCTGCAGGCTTCAGGGTTGTAAGGTTGGGGACCTCC
 AGGAAGAAAGGGTCTCCTTCCTGTGCTCCAATGACGTCTCCTACGTTGTAGCACAGTGGGCTCCTGGAT
 GAGTGGTGGTGTGCTGTCCACTGTACTGGAAGCACCTGAGGCCAGCTGGAGATTTTCATCCAGGAC
 TCCCGGAGCTCTTGGTGGTGGTGGCCAGGAGTACTGGAGCGGCTAAGTCCACTGGCTCAGAGGCTGG
 GAGTCCCTCTTCTGCCGCTCAGCCTGCCGTCTACCATGGAGCAACAGAGAAGCCACAGAGCAGCCAGT
 TGAAGAGAGTGGGTGGCGTGACCGGGTGCCATGATCTTCTACCCAGCGGGACCACAGGGAGGCCAAG
 GGTGCACTGAGCACCCACCGTAACCTAGCCGCTGTGGTACTGGGCTGGTCCACTCATGGCGTGGACTA
 AAAACGATGTGATCCTTCACGCTCTCCCGCTGCACCATGTCCACGGCGTGGTCAACAAGTGTCTGTCC
 ACTCTGGGTAGGACCCACCTGTGTATGCTGCCGGAGTTCAGTGTCTCAGCAGGTTTGGGAAAAATCTTG
 AGTTCTGAAGCCCCACAGATTACCGTATTCATGGCAGTGGCCACTGTCTACAGCAAGTGTGGACTACT
 ATGACAAGCATTTACGCAGCCCCATGTCCAGGATTTTGTGCGTGCAGTTTGTAAAGAAAGAATCAGGCT
 GATGGTCTCAGTTTCGGCCGCTCTGCCTGTCCACTGCTGGAGAAGTGGAGGAGCGCCACGGGCCACAG
 CTGCTGGAGCGCTATGGCATGACAGAGATCGGCATGGCTCTGTCCAACCCCTGACGGAGGCTCGCGTGC
 CAGGTTCTGTGGGACCCATTGCCAGGAGTGAAGTACGCATCATCTCAGAAAACCCGAGAAGGGTTC
 CCCTACATCATCCATGCAGAGGGAAACGAGAGGGGGACAAAGGTGACTCCAGGGTTCGAGGAAAAGGAA
 GGGGAGCTGTGTTAGGGGACCCTCGGTGTTCCGAGAATACTGGGATAAGCCAGAAGAAACGAAAAGTG
 CTTTCACTTCCGATGGCTGGTTCAGAACAGGAGACACCGCGTGTCAAGGATGTAGTACTGGATCCG
 AGGGCGCACGCTGTGGACATCATCAAGACTGGAGGCTATAAAGTCAAGCGCCCTGGAGATCGAGCGGCAC
 CTGCTGGCCACCCAGCATCACCGATGTCGCTGTAATTGGAGTTCCTGATATGACATGGGGCCAGCGGG
 TCACAGCTGTGGTTGCTCTTCAAGAAGGACATTCAGTGTCCACGGGGATCTCAAGGAGTGGGCCAGAGG
 TGTCTGGCCCCCTATGCTGTGCCCTCGGAGCTCTGCTGGTGGAGGAGATCCCCGGAACAGATGGGC
 AAGGTGAATAAGAAGGAGCTGCTCAAACAGTTGTACCCCTCAGGACAGAGGAGCCAGCCAGGCCAAGGCT
 AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_144932

Insert Size: 1752 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: [NM_144932.3](#), [NP_659181.2](#)

RefSeq Size: 2236 bp

RefSeq ORF: 1752 bp

Locus ID: 257633

UniProt ID: [Q3URE1](#)

Cytogenetics: 8 E1

Gene Summary: Catalyzes the initial reaction in intramitochondrial fatty acid synthesis, by activating malonate and methylmalonate, but not acetate, into their respective CoA thioester. May have some preference toward very-long-chain substrates (By similarity).[UniProtKB/Swiss-Prot Function]