

Product datasheet for **MR219359**

Acsf3 (NM_144932) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR219359 representing NM_144932
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACCTCACTTGGCACTGCCCTTCAAGCGTCTCTTCTGGTCTTGGCTCCAGTCAGCTGATCCCA
 GAAGACACCGAGGACATAGCCTCCTGCCTACCACCCAGAGGCCACACGGATGGGAGTGTCCCGTATT
 CATCCGTGCCCTGGCCTTTGGGGACAGGATTGCCCTTATTGACAAATATGGCCATCACACCTACAGGAA
 CTGTATGATCGCAGCCTTGTCTGGCCAGGAGATCTGCAGGCTTCAAGGTTGTAAGGTTGGGGACCTCC
 AGGAAGAAAGGGTCTCCTTCTGTGCTCCAATGACGTCTCCTACGTTGTAGCACAGTGGGCTCCTGGAT
 GAGTGGTGGTGTGCTGTCCACTGTACTGGAAGCACCTGAGGCCAGCTGGAGATTTTCATCCAGGAC
 TCCCGGAGCTCTTGGTGGTGGTGGCCAGGAGTACTGGAGCGGCTAAGTCCACTGGCTCAGAGGCTGG
 GAGTCCCTCTTCTGCCGCTCAGCCTGCCGTCTACCATGGAGCAACAGAGAAGCCACAGAGCAGCCAGT
 TGAAGAGAGTGGGTGGCGTGACCGGGTCCATGATCTTCTACCCAGCGGGACCACAGGGAGGCCAAG
 GGTGCACTGAGCACCCACCGTAACCTAGCCGCTGTGGTACTGGGCTGGTCCACTCATGGGCGTGGACTA
 AAAACGATGTGATCCTTACGTCCTCCCGCTGCACCATGTCCACGGCGTGGTCAACAAGTCTCTGTCC
 ACTCTGGGTAGGACCCACTGTGTATGCTGCCGAGTTCAGTGTCTCAGCAGGTTTGGGAAAAATCTTG
 AGTTCTGAAGCCACAGATTACCGTATTCATGGCAGTGGCCACTGTCTACAGCAAGTCTGGACTACT
 ATGACAAGCATTTACGCAGCCCATGTCCAGGATTTTGTGCGTGCAGTTTGTAAAGAAAGAAATCAGGCT
 GATGGTCTCAGGTTCCGGCCGCTGTCCCTGTCCACTGTGGAGAAGTGGAGGAGCGCCACGGGCCACAG
 CTGCTGGAGCGCTATGGCATGACAGAGATCGGCATGGCTCTGTCCAACCCCTGACGGAGGCTCGCGTGC
 CAGGTTCTGTGGGACCCATTGCCAGGAGTGGAAAGTACGCATCATCTCAGAAAAACCCGAGAAGGGTTC
 CCCTACATCATCCATGCAGAGGGAAACGAGAGGGGGACAAAGGTGACTCCAGGGTTCGAGGAAAAGGAA
 GGGGAGCTGTGTTAGGGGACCCTCGGTGTTCCGAGAATACTGGGATAAGCCAGAAGAAACGAAAAGTG
 CTTTCACTTCCGATGGCTGGTTCAGAACAGGAGACACCGCGTGTCAAGGATGTAGGACTGGATCCG
 AGGGCGCACGCTGTGGACATCATCAAGACTGGAGGCTATAAAGTCAAGCGCCCTGGAGATCGAGCGGCAC
 CTGCTGGCCACCCAGCATCACCGATGTGCTGTAATTGGAGTCTCTGATATGACATGGGGCCAGCGGG
 TCACAGCTGTGGTGTCTTCAAGAAGGACATTCAGTGTCCACGGGGATCTCAAGGAGTGGGCCAGAGG
 TGTCTGGCCCCCTATGCTGTGCCCTCGGAGCTCTGCTGGTGGAGGAGATCCCCGGAACAGATGGGC
 AAGGTGAATAAGAAGGAGCTGTCAAACAGTTGTACCCCTCAGGACAGAGGAGCCAGCCAGGCCAAGGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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 Red=Cloning site Green=Tags(s)

MPPHLALPFRRLFWLASSQLIPRRHRGHSLPTTPEAHTDGSVPVFIKALAFGDRIALIDKYGHHTYRE
 LYDRSLCLAQEICRLQGCKVGDLEERVSFLCSNDVSYVVAQWASWMSGVAVPLVYKHPEAQLEYFIQD
 SRSSLVVVGQEYLERLSPLAQRLGVPLLPVAVYHGATEKPTQVVEESGWRDRGAMIFYTSGTGRPK
 GALSTHRNLAAVVTGLVHSWAWTKNDVILHVLPLHHVHGAVNKLKPLWVGATCVMLPEFSAQVWEKFL
 SSEAPQITVFMVPTVYSKLLDYDKHFTQPHVQDFVRAVCKERIRLMVSGSAALPVPLLEKWSATGHT
 LLERYGMTEIGMALSNPLTEARVPGSVGTPLPGVEVRIISENPQKGSPIYIHAEGNERGKVTGPFEEKE
 GELLVRGPSVVFREYWDKPEETKSAFTSDGWFRGTAVFKDARYWIRGRTSVDIIKTGGYKVSALIEIRH
 LLAHPSITDVAVIGVPMWQQRVAVVALQEGHSLSHGDLKEWARGVLAAPYAVPSELLLVVEIIPRNQMG
 KVNKKELLKQLYPSGQRSQPQQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9065_f12.zip

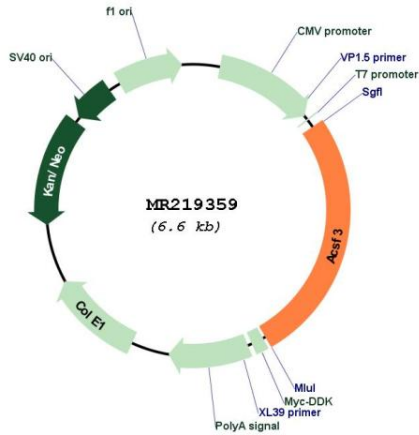
Restriction Sites:

Sgfl-Mlul

MW: 65.1 kDa

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]

Product images:



Circular map for MR219359