

Product datasheet for **RC238939**

ACSF2 (NM_001288970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF2 (NM_001288970) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACSF2
Synonyms:	ACSMW; AVYV493
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC238939 representing NM_001288970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGTCTACGTCGGGATGCTGCGCCTGGGGAGGCTGTGCGCCGGGAGCTCGGGGGTGTGGGGGCC
 GGGCCGCCCTCTCTCGGAGTTGGCAGGAAGCCAGGTTGCAGGGTGTCCGCTTCTCAGTTCCAGAGAGGT
 GGATCGCATGGTCTCCACGCCCATCGGAGGCTCAGCTACGTTCAAGGGTGCACCAAAAAGCATCTTAAC
 AGCAAGACTGTGGCCAGTGCCTGGAGACCACAGCACAGAGGGTCCCAGAACGAGAGGCCTTGGTCGTCC
 TCCATGAAGACGTGAGTTGACCTTTGCCAACTCAAGGAGGAGGTGTCTGTGAACCCAGCCTACCAGGC
 TATGGAAGTGGAGTATGCTCTCAAGAAGTGGGCTGCAAGGCCCTTGTGTCCCCAAGCAATTCAAGACC
 CAGCAATACTACAACGCTCTGAAGCAGATCTGTCCAGAAGTGGAGAATGCCAGCCAGGGGCCTGAAGA
 GTCAGAGGCTCCAGATCTGACCACAGTCTCGGTGGATGCCCTTTGCCGGGACCTGCTCCTGGA
 TGAAGTGGTGGCGCTGGCAGCACAGGCAGCATCTGGACCAGTCCAATACAACCAGCAGTTTCTGTCC
 TGCCATGACCCCATCAACATCCAGTTCACCTCGGGGACAACAGGCAGCCCAAGGGGCCACCCTCTCCC
 ACTACAACATTGTCAACAACTCCAACATTTTAGGAGAGCGCTGAACTGCATGAGAAGACACCAGAGCA
 GTTGCGGATGATCCTGCCCAACCCCTGTACCATTGCCTGGGTTCCGTGGCAGGCACAATGATGTGTCTG
 ATGTACGGTGCCACCCTCATCCTGGCCTCTCCCATCTTCAATGGCAAGAAGGCACTGGAGGCCATCAGCA
 GAGAGAGAGGCACCTTCTGTATGGTACCCCCACGATGTTCTGTGGACATTCTGAACCAGCCAGACTTCTC
 CAGTTATGACATCTCGACCATGTGTGGAGGTGTCATTGCTGGTCCCCTGCACCTCCAGAGTTGATCCGA
 GCCATCATCAACAAGATAAATATGAAGGACCTGGTGGTGTGTTATGGAACCACAGAGAACAGTCCCGTGA
 CATTCCGCGCACTCCCTGAGGACACTGTGGAGCAGAAGGCAGAAAGCGTGGGCAGAATTAATGCTCACAC
 GGAGGCCCGGATCATGAACATGGAGGCAGGACGCTGGCAAAGCTGAACACGCCCGGGGAGCTGTGCATC
 CGAGGGTACTGCGTCATGCTGGGCTACTGGGTGAGCCTCAGAAGACAGAGGAAGCAGTGGATCAGGACA
 AGTGGTATTGGACAGGAGATGTCGCCACAATGAATGAGCAGGGCTTCTGCAAGATCGTGGCCGCTCTAA
 GGATATGATCATCCGGGGTGGTGAACATCTACCCCGCAGAGCTCGAGGACTTCTTTCACACACACCCG
 AAGGTGCAGGAAGTGCAGGTGGTGGGAGTGAAGGACGATCGGATGGGGGAAGAGATTTGTGCTGCATTC
 GGCTGAAGGACGGGGAGGAGACCAGGTGGAGGAGATAAAAGCTTCTGCAAAGGAAGATCTCTCACTT
 CAAGATCCGAAGTACATCGTGTGTGTCAAACTACCCCTCACCATTCAGGAAAGATCCAGAAATTC
 AAACCTCGAGAGCAGATGGAACGACATCTAAATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238939 representing NM_001288970
 Red=Cloning site Green=Tags(s)

MAVYVGMRLRLGRLCAGSSGVLGARAALSRSQWEARLQGVRFLLSSREVDVMVSTPIGGLSYVQGCTKKHLN
 SKTVGQCLETQAQRPVPEREALVVLHEDVRLTFAQLKEEVSVPAYQAMELEYVLKKVGGCKALVFPKQFKT
 QQYYNVLKQICPEVENAQPGALKSQRLPDLTTVISVDAPLPGTLLLDVVAAAGSTRQHLDQLQYNQFSL
 CHDPINIQFTSGTTGSPKGATLSHYNIVNNSNILGERLKLHEKTPEQLRMILPNPLYHCLGSAVAGTMMCL
 MYGATLILASPIFNGKKALEAISRRERGFYLGTPTMFVDILNQPDFSSYDIDTMCGGVIAGSPAPPELIR
 AIINKINMKDLVVAYGTTENSPVTFAHFPEDTVEQKAESVGRIMPHTEARIMNMEAGTLAKLNTPGELCI
 RGYCVMLGYWGEPOKTEEAVDQDKWYWTGDVATMNEQGFCKIVGRSKDMIIRGGENIYPAELEDFFHTHP
 KVQEVQVVGKDDRMGEEICACIRLKDGEETTVEEIKAFCKGKISHFKIPKYIVFVTNYPLTISGKIQKF
 KLREQMERHLNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001288970.1 , NP_001275899.1
RefSeq Size:	2116 bp
RefSeq ORF:	1719 bp
Locus ID:	80221
UniProt ID:	Q96CM8
Cytogenetics:	17q21.33
MW:	64.1 kDa
Gene Summary:	Acyl-CoA synthases catalyze the initial reaction in fatty acid metabolism, by forming a thioester with CoA. Has some preference toward medium-chain substrates. Plays a role in adipocyte differentiation.[UniProtKB/Swiss-Prot Function]