

Product datasheet for **RC238325**

ACSF2 (NM_001288971) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSF2 (NM_001288971) 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:

>RC238325 representing NM_001288971
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTGGAGTATGTCCTCAAGAAGGTGGGCTGCAAGGCCCTTGTGTTCCCAAGCAATTCAAGACCC
 AGCAATACTACAACGTCCTGAAGCAGATCTGTCCAGAAGTGGAGAATGCCAGCCAGGGGCTTGAAGAG
 TCAGAGGCTCCCAGATCTGACCACAGTCATCTCGGTGGATGCCCTTTGCCGGGGACCCTGCTCCTGGAT
 GAAGTGGTGGCGGCTGGCAGCACACGGCAGCATCTGGACCAGCTCCAATACAACCAGCAGTTCCTGTCT
 GCCATGACCCCATCAACATCCAGTTCACCTCGGGGACAACAGGCAGCCCCAAGGGGGCCACCCTCTCCCA
 CTAACAATTGTCAACAACCTCAACATTTTAGGAGAGCGCCTGAAACTGCATGAGAAGACACCAGAGCAG
 TTGCGGATGATCTGCCAACCCCTGTACCATTGCCTGGGTTCCGTGGCAGGCACAATGATGTGTCTGA
 TGTACGGTGCCACCCTCATCTGGCCTCTCCCATTTCAATGGCAAGAAGGCACTGGAGGCCATCAGCAG
 AGAGAGAGGCACCTTCTGTATGGTACCCACAGATGTTTCGTGGACATTCTGAACCAGCCAGACTTCTCC
 AGTTATGACATCTCGACCATGTGTGGAGGTGCATTGCTGGGTCCCTGCACCTCCAGAGTTGATCCGAG
 CCATCATCAACAAGATAAATATGAAGGACCTGGTGGTTGCTTATGGAACCACAGAGAACAGTCCCCTGAC
 ATTCGCGCACTTCCCTGAGGACACTGTGGAGCAGAAGGCAGAAAGCGTGGGCAGAAATATGCCTCACACG
 GAGGCCCGGATCATGAACATGGAGGCAGGGACGCTGGCAAAGCTGAACACGCCCGGGGAGCTGTGCATCC
 GAGGGTACTGCGTCATGCTGGGCTACTGGGCTGAGCCTCAGAAGACAGAGGAAGCAGTGGATCAGGACAA
 GTGGTATTGGACAGGAGATGTCGCCACAATGAATGAGCAGGGCTTCTGCAAGATCGTGGGCCGCTCTAAG
 GATATGATCATCCGGGGTGGTGAACAATCTACCCCGCAGAGCTCGAGGACTTCTTTCACACACACCCGA
 AGGTGCAGGAAGTGCAGGTGGTGGAGTGAAGGACGATCGGATGGGGGAAGAGATTTGTGCCTGCATTCCG
 GCTGAAGGACGGGGAGGAGACCACGGTGGAGGAGATAAAAAGCTTCTGCAAGGGAAGATCTCTCACTTC
 AAGATTCCGAAGTACATCGTGTGTTGTCACAAACTACCCCTCACCATTTCAGAAAGATCCAGAAATTCA
 AACTTCGAGAGCAGATGGAACGACATCTAAATCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238325 representing NM_001288971
 Red=Cloning site Green=Tags(s)

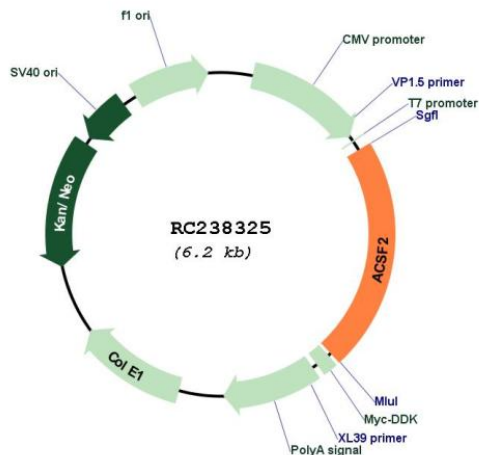
MELEYVLKKGCKALVFPKQFKTQQYYNVLKQICPEVENAQPGALKSQRLPDLTTVISVDAPLPGTLLLD
 EVVAAGSTRQHLDLQYNNQFLSCHDPINIQFTSGTTGSPKGATLSHYNIVNNSNILGERLKLHEKTPEQ
 LRMILPNPLYHCLGVSAGTMMCLMYGATLILASPIFNGKKALEAISRERGTFLYGTPTMFVDILNQPDFS
 SYDISTMCGGVIAGSPAPPELIRAIINKINMKDLVVAYGTTENSPVTFAHFPEDTVEQKAESVGRIMPHT
 EARIMNMEAGTLAKLNTPGELCIRGYCVMLGYWGEQKTEEAVDQDKWYWTGDVATMNEQGFCKIVGRSK
 DMIIRGGENIYPAELEDFFHHPKVQEVVGVKDDRMGEEICACIRLKDGEETTVEEIKAFCKGKISHF
 KIPKYIVFVTNYPLTISGKIQFKLREQMERHLNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001288971

ORF Size: 1365 bp

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:

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_001288971.1](#), [NP_001275900.1](#)

RefSeq Size: 1920 bp

RefSeq ORF: 1368 bp

Locus ID: 80221

UniProt ID: [Q96CM8](#)

Cytogenetics: 17q21.33

MW: 51.3 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]