

Product datasheet for **RN211545**

Acsf2 (NM_001034951) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsf2 (NM_001034951) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acsf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN211545 representing NM_001034951
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTCTACCTCGGGATGCTGCGTCTCGGGAGGCTGTGTGTGCGAGCCTGGGGCGCGGGGGCCCC
 GGACGCCGCTCTCTCGACCTTGCCGAACTCGAAGTTGCAGGGTGTCCGCGCTTTCAGTTCTGGAATGGT
 GGACTGTACCAACCCCTTGCCATCGGGCGCCTCAGCTACATCCAGGGCCACACTGACTCCCATCTTGTG
 AACAAAATGTGGGCGAATGCCTTGATGCCACGGCGCAGAGGTTCCCAACAGAGAGGCTTTGGTTATCA
 TCCATGAAAACATCAGGCTGAACTTGCACAGCTCAAGGAGGAGGTGGACAGAGCTGCTTCTGGTCTTCT
 GAGTATTGGTCTCCGAAAAGGTGATCGGCTGGGTATGTGGGGACCCAACCTCTATGCGTGGGTGCTCATT
 CAGCTGGCCACTGCCAAGCAGGCATCATCTGGTGTCTGTGAACCCAGCCTACCAGGCCTCAGAAGTGG
 AATATGTCCTCAGAAAGGTAGGCTGCAAAGGTATTGTGTTCCCTAAACAATTCAAGACCCAGCAGTACTA
 CAACATCTGAAGCAGGCTGTCTGAGCTAGAAAAGGCCAGCCAGGGGCTTGAAGAGTGAGAGGCTC
 CCAGACCTGACTACAGTCATCTCAGTGGATGCTCCTTTGCCGGGGACCTGCTCCTGGATGAAGTGGTGG
 CAGCCGGTGGCAAGGAACAGAACCTAGCCAGCTGCGGTACCACCAGGGGTTCTTGTCTGTTATGACCC
 CATCAACATCCAGTTTACCTCGGGGACAACTGGAAACCCCAAGGGGGCCACTCTTCCCACCACAACATC
 GTAACAACCTCCAACCTGATTGGCCAGCGTCTGAAGATGCCCGCAAGACTGCAGAGGAGTTGCGCATGG
 TCCTGCCTGCCCTGTACCACTGCCTGGGCTCCGTGGGGGGCAACAATGGTGTCTGTGGTGCATGGTGC
 CACCCTCTCTGTCTTCTCCAAGCTTCAATGGCAAGAAGGCACTGGAAGCCATCAGCAGAGAGAAAAGGC
 ACCCTCTATACGGCACACCCACGATGTTTGTGGATATTCTGAATCAGCCAGACTTCTCCAGTTACGATT
 TCAGACCATACGTGGAGGTGTGATTGCCGGTCCCTGGCACCCCGGAATTGATTCGAGCCATCATCAG
 CAAGATGAACATGAAGGAGCTGGTGGTTGTTTATGGAACCACAGAGAACAGTCCTGTGACCTTCATGAAC
 TTTCCCGAGGACACCCTGGAGCAGAAGGCTGGAAGTGTAGGCAGAATTATGCCTCACACGGAGGCCAAGA
 TCGTGAACATGGAGACCGGGGAGCTGACCAAGCTGAACATGCCTGGAGAGCTGTGCATCCGAGGGTACTG
 CGTCATGCAGGGCTACTGGGGCAGCCACAGAAGACCTTCAAGCGTTGGGCAAGACAGATGGTATCGG
 ACAGGGGACATTGCCTCCATGGATGAGCAGGGCTTCTGCAGGATCGTGGGCCGATCGAAGGACATGATCA
 TCCGCGGTGGTGAGAATCTACCCTGCAGAGCTGGAGGACTTCTCCACAAGCACCCACAGGTGCAAGA
 AGCGCAGGTGGTGGGGTGAAGGACGATCGGATGGGGAGGAAATCTGCGCTTGCAATTCGGCTGAAGAGC
 GGAGAGACCACCGGAGGAGGATCAAAGCTTCTGCAAAGGAAAGATTTCCATTTTAAAGTCCCC
 GATACATCGTGTTGTGGAAGGCTATCCTCTACTGTCTCAGGAAAGATCCAGAAATTCAAACCTCCGAGA
 GCAGATGGAACAACATCTAAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001034951
- Insert Size:** 1848 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_001034951.1](#), [NP_001030123.1](#)

RefSeq Size: 3095 bp

RefSeq ORF: 1848 bp

Locus ID: 619561

UniProt ID: [Q499N5](#)

Cytogenetics: 10q26

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 (By similarity).[UniProtKB/Swiss-Prot Function]