

Product datasheet for **RN209930**

Acsm4 (NM_181695) Rat Untagged Clone

Product data:

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|--------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Acsm4 (NM_181695) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Acsm4 |
| Synonyms: | Omacs |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN209930 representing NM_181695
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTTCTCCTCGCTGTCAGAGACTTAGATTCATCTGGCTTGCCAAGCCTGTGGCCGGCACTTCC
 ACAGAGACCCCCAGCTCTGGGCACCTCTGACATTGGATGACTTTGAAGCCATCAACCGCTGTGAGAAGCC
 ATTACCCAAGAACTTTAACTTTGCTGCGGATGTTCTCGACCAGTGGTCTCTAAAGGAGAAGTCTGGAGAG
 AGGCCAGCCAACCCAGCCCTGTGGTGGGTGAATGGCAAAGGAGATGAGGTGAAGTGGAGTTTCCAAGAAC
 TGGGCTCCTTGTCCCAGAAAGGCTGCCAACGTGCTCACCAAGCCCTGTGGCCTGCAGAGGGGAGACCGGGT
 AGCTGTGATTCTGCCCGCATCCCTGAATGGTGGCTCATCAATGTGGCTTGCATGAGAACAGGGCTTGTCT
 TTCATGCCTGGAACAATCCAAGTACCAGAAAAGACATCTCTACCGGCTGCAAGCATCCAAGGCCAAGT
 GCATTGTGGCCAGTGAGGAAGTGGCCCTGCAGTGGACTCCATTGCATCAGAGTGTCCCAACTTGAAGAC
 TAAGTCTTGGTGTCTCCACACCGCTGGGACGGGTGGCTCAGCTTTCAGGAATTACTTCAATCAGCCTCT
 GAAGAGACAATTTGTGTGCAGACAGGAAGTCAAGAGCCAATGGCCATTTACTTCACCAGTGGGACCACAG
 GCTCCCCAAGATGGCTCAGCACTCACAGAGCAGCCTTGGCATTGGGTATGCCCTTTGTGGAAGGTAAGT
 GCTGGACTTGACATCATCAGATATCATGTGGAACATGTCAGACTGGCTGGATCAAGGCTGCCATTGGT
 AGTGTGTTTTCCACGTGGCTTCGAGGTGCCTGTGTTTTGTGCACCGGATGGCCAGTTCACACTGATA
 CCTTCCTAGATACGCTTACCTCATATCCTATCACGACCTGTGCAGTGCCTACCGTGTACCGGATGCT
 TGTACAACAGGACCTTAAGAGGTATCAATCAAGAGGCTGCGGCACTGCCTGACAGGAGGGGAGCCACTC
 AACCCGAGGTGCTGGAACAGTGAAGGCACAACTGGGCTGGAGCTATACGAGGGCTACGGACAGACTG
 AAGTGGGAATAATTTGCGCCAATCGCAAAGGAGAAGAAATTAACCAGGCTCCATGGGAAAGGAGTGTAGT
 GCCCTACGATGTGCAGATTATAGATGAACATGGAATATCCTACCATCGGGCAAGGAAGGGGAGATTGCC
 CTTAGGCTGGGTCTGATCGGCCCTTCTGCTTCTCTCTGAATATGTGGACAATCCAGAGAAGACTGATG
 CCACAATAAGAAGAAATTTTACATCACTGGAGACAGAGGAGTATGGACGATGATGGATACCTTTGGTT
 TGTGCGCAGAGCTGATGATGTCATTATATCCTCCGGTACCGAATGGGCGTGTGAAGTAGAGAGTGA
 CTGATAGAGCACCAGCAGTGTGAGTGTGTCAGCAGTCCAGATCCAATCCGAGGAGAGGTGG
 TGAAGCGTATTATTGATTAGCTGCACCCTCAAGTCTCAACCGTGAAGTTAACTGCTGAACTTCA
 GGATCATGTGAAAACTCAACAGCACCTACAAGTACCAAGAAAGGTGGAATTTGTTCAAGAACTCCCC
 AAGACAATCACTGGGAAATCAAACGCAACGTGTTAAGAGACCAGGAGTGGGACGGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_181695
- Insert Size:** 1743 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_181695.1](#), [NP_859046.1](#)

RefSeq Size: 2084 bp

RefSeq ORF: 1743 bp

Locus ID: 353317

UniProt ID: [Q7TN78](#)

Cytogenetics: 1q35

Gene Summary: acyl-CoA synthase enzyme involved in fatty acid metabolism; may be involved in processing odorants [RGD, Feb 2006]