

Product datasheet for **RN209211**

Acsm1 (NM_001108502) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsm1 (NM_001108502) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acsm1
Synonyms:	Bucs1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209211 representing NM_001108502
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTGGCTGAGGAGTTCTGACTCCACTGGGCATCTGCAAATTCCTGCACAGATTCTCCCTACACC
 GTCCACAGCTGCACAGATGGTTGATTTTCAGGAGACGGAGCTCAAAGATGGAATGACTATGATTCACCTGA
 GGAGTTTAACTTTGCAAGTCATGCTCTGGACTACTGGGCTCAAATGGAAGGGGAGGGCAAGAGAGGACCA
 GGTCCAGCCTTATGGTGGTGAATGACCAAGGAGATGAAATAAAGTGGAGCTTCAGGGAGCTGAGGGACC
 TCAGCCGCGTGTGCCAACGTCTTTGAGCAGACTTGTGGCTGCAGCATGGAGATCGCCTGGCCTTGAT
 TCTGCCTCGAGTGCCGGAGTGGTGGCTGGTGACAGTGGGCTGCATTGCAACAGGAGTCATCTTCATTCT
 GGGACTGCCAAATGAAAGCCAAGGATATTCTCTACCGAATAACAATGTCTCAAGCCAAAGCCATTGTGA
 CCACAGACAGCCTTGTCCAGAGGTGGAATCTGTGGCTTCTGAGTGTCTGGTCTGAAAACCAAGATAGT
 GGTGTCTGATCACAACCATGAAGGGTGGCTTAACTTCCGGACACTGCTTAGATCAGCATCCCAGACCAT
 ACCTGTGTTAAGTCAAAGATGAAGGACCCCATGGTCATCTTCTACCAGCGGGACCACAGGTTACCCCA
 AGATGGCAAAGCACAACCAAGGACTTGCTTCCGGTCTTCTGTGCCTTATGCAGAAAATTTTTGAGCT
 GAAGACATCTGATGTCATTTGGTGCATGTCAGACCCAGGATGGATTCTGGCTACTGTGGGATGCCTGCTC
 GAACCTGGACAGCAGGTGCTACAGTCTTCCGTTCAACAACCTCCCTCAGTTTGACCCCAAAGTCATTGTAG
 AGACACTGTTCAAATACCTATCACTCAATGCCTTGTGCCCCAGCCGTGTATCGAATGGTCTTCAGAA
 GAATATCTCCAATCTCAGGTTCCCACCCTGGAGCATTGCGCAACTGGTGGAGAGAGCCTGCTGCCTGAG
 GAATATGAGCAGTGGAAGCAAAGGACAGGCCTTCCATTGAGGCTATGGACAGTCAGAAACGGGGA
 TCACCTGTGCCATCTTCCGGGAAATGAAGGTCAAGCGAGGCTCCATAGGGAAGGCCATTTACCCCTTGA
 CATACAGATCATCGATGAGAAGGGCAACATCTCCCGCCCAACACGGAAGGATACATTGGCATCAGGATC
 AAGCCCCACAGGCCGCTAGGCCTTCTGTGGGATATGAGAATAGCCCAGAGAAGACATCTGAAGTGGAGT
 GTGGGGACTTTTACAATAGTGGGGATAGAGCGACTATTGATGAAGATGGCTACATCTGGTCTTGGGGAG
 GAGTGTGATGTCATCAATGCTTCCGGGTACCGCATCGGGCTACAGAGGTGGAGAACGCCTTGGTGGAG
 CACCCAGCGGTGTCAGAGTCTGCGGTGGTGAAGGATCGAGGAGAGGTGGTGAAGGCTT
 TTATTGCTCTCAACCCAGAGTTCCTGTACATGATCAGGAACAGCTTATCAAAGAGCTACAGGAGCATGT
 GAAGTCAGTACTGCACCATAACAAGTACCCAGGAAGGTGGAGTTTGTTCAGAATTGCCAAAACCATC
 ACAGGCAAATCAAAGAAGGAAGTTCGAAATAAGGAGTTCGGTCAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001108502
- Insert Size:** 1734 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_001108502.2](#), [NP_001101972.2](#)

RefSeq Size: 2103 bp

RefSeq ORF: 1734 bp

Locus ID: 361638

Cytogenetics: 1q35