

## Product datasheet for **RN213890**

### **Acsm3 (NM\_033231) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acsm3 (NM_033231) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acsm3
Synonyms:	Sa; Sah
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213890 representing NM\_033231  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAATGTTACTTCGTGCTAGGTGTTTTACCCGCCTAGCAATCCCTGATCCCAGGAGAATCTTGATA  
 AAGATTACAGAACAGCGATTCTCAGAACTTTTCCAACATGAGTCCATGAAACATGACTTCAAATAGA  
 GATTCCAGAGTATTTCAATTTTGCAAAAGATGTTTTGGACCAATGGACCAATACGGAAAAGACTGGAAAA  
 AGACTTTCCAATCCAGCCTTCTGGTGGGTAGTGGAAATGGAAAGGAGGTGAGATGGAGTTTTGAAGAAC  
 TTGGGTCTTTATCCAGGAAATTTGCCAACATACTCACAGAAGCCTGTTCCCTGCAAAGAGGAGATAGAGT  
 AATGGTGATTCTGCCAAGATCCAGAGTGGTGGCTTCCAATGTAGCCTGTCTGCGAACAGGGACAGTT  
 TTAATCCAGGAACCACTCAGCTGACCCAGAAAGACATCTCTACAGGCTACAATCTTCAAATCAAAGT  
 GCATTATTACTGATGATACTTTGGCCCCAGCAGTAGATATTGTAGCAGCTAAATGTGAAAATCTCCACTC  
 CAAATTAATTGTGTCTCAGCACTCCAGAGAAGGCTGGGGGAACCTCAAGGAGATGATGAAATATGCCAGT  
 GACAGCCACACCTGTGTGGACACAAAACACAATGAGTTGATGGCCATCTACTTCACCAGTGGGACGACTG  
 GGCTCCGAAGATGATTGGACACACCCACAGCAGTTTTGGTTTAGGACTGTCTGTCAACGGAAGGTTCTG  
 GCTGGATTTGATAGCCTCTGACGTGATGTGGAATACGTACAGATACAGGCTGGGCAAAGTCTGCATGGAGT  
 AGTGTTTTTTCTCCGTGGACCCAAGGAGCATGTGTGTTTGCACACTATTTGCCCGTTTTGATTCAACTT  
 CCATCTTGCAAACCTCTCCAAGTTCCCATCACTGTCTTCTGTTCTGCACCAACTGCCTACCGGATGCT  
 TATACAGAATGACATAACCAGCTATAAGTTCAACAGTTTGAAGCACTGTGTGAGTGCCGGGAACCCATC  
 AACCGTGAAGTGATGGAACAATGGAAAAAGAAGACAGGACTAGACATCTACGAAGGATATGGACAGACAG  
 AAACGGTGCTGATCTGTGAAATTTCAAGGGGATGAAAATTAAGCCTGGCTCAATGGGGAAAGCCCTCTCC  
 TGCTTTTAATGTGGAGATTTTAGATGAAAATGGCACTATTCTTCTCCTGGACAAGAAGGGGATATTGCT  
 GTTCAAGTTCTTCTGATCGACATTTGGCCTTTTTACTCATTATGTAGATAATCCTTCGAAAACAGCTT  
 CAACTCTACGAGGGAATTTCTACATCACTGGGGACAGAGGCTATATGGATGAGGATGGCTATTTCTGGTT  
 TGTTGCAAGATCAGACGATGTATATTATCCTCTGGTTACCGAATTGGACCATTTGAGGTAGAGAGTGCT  
 CTCATAGAGCATCCTTCCATTGCAGAGTCAGCTGTTGTCAGCAGCCCTGACCCCATCAGAGGAGAGGTAG  
 TAAAGGCCTTTATTGCTCAAATCCTGATTACAACTCCATGATCAAGAACAAGTAAAAAAGAGATTCA  
 GGAGCATGTGAAAAGACTACAGCACCTTACAAATACCCAGGAAGATAGAATTTATTGAGGAGCTGCCA  
 AAGACTGTCAGTGGGAAGGTCAAAGAAATGAACTGAGGAGAAAGGAATGGACAACAAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_033231
- 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\\_033231.1](#), [NP\\_150234.1](#)

**RefSeq Size:** 2585 bp

**RefSeq ORF:** 1743 bp

**Locus ID:** 24763

**UniProt ID:** [Q6SKG1](#)

**Cytogenetics:** 1q35

**Gene Summary:** may be a component of genetic hypertension [RGD, Feb 2006]