

## Product datasheet for **RN211612**

### **Aacs (NM\_023104) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aacs (NM_023104) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aacs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN211612 representing NM\_023104  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCAAGTGGCAGCGCTCGAGCGCAGGAGATCATGGAGTGCCAGGTGATGTGGGAGCCTGACAGCA  
 AGAAGGACACGCAGATGGACCGCTTCCGGCGGCCGTGGTACTGCCTGCGGCCTGGCGCTTGGGAATTA  
 CGATGACTTATACCACTGGTCTGTCGGTCTGATTTCAGACTTCTGGGCTGAGTTCTGGAAGTTCAGTGGA  
 ATTGTCTGCTCTCGCATGTATGATGAGGTTGTGGACACATCCAAAGGAATTGCAGATGTCCCTGAGTGGT  
 TCAGAGGCAGCCCTCAACTATGCAGAGAACCTTCTGCGGCACAAGGAGAACGACAGAGTCGCCCTTTA  
 CGTGGCCCCGGAAGGCAGAGAGGAGATTGCGAAGGTGACTTTCGAAGAGCTTCGGCAGCAGGTGGCTCTG  
 TTTGCAGCCGCCATGAGGAAGATGGGCGTGAAGAAAGGGACCGTGTGGTTCGTTATCTCCCAACAGTG  
 CCCATGCCGTGGAGGCCATGCTGGCTGCTGCCAGTATTGGAGCCATTTGGAGTTCTACCTACCAGACTT  
 TGGTGTGAATGGTGTCTGGACCGCTTTTCTCAAATTCAGCCGAACTTATCTTCTCGGTGGAAGCTGTG  
 GCTACAACGGCAAGGAACACGGCCACCTGGAGAAGCTGCAGCGAGTTCGAAAGGACTTCTGACCTTC  
 AGCGAGTGGTGTGATCCCTATGTCCTCCAAGGGAGAAGATAGACATTTCCAAGATCCCAACAGCAT  
 GTTTCTGGATGACTTCTGGCAAGCGGGACAGGTGCGCAGGCACCACAGCTCGAGTTTGAACAGTGCC  
 TTCAGCCATCCCCTGTTTCATCATGTTCTCCTCGGGCAGCAGAGGAGCGCCCAAGTGCATGGTGCCTCTG  
 CTGGGGGCACCCTCATCCAGCACCTGAAGGAGCACGTGCTACATGGCAACATGACAAGCAGTGACATCCT  
 GCTCTACTACACCAGGTTCGGCTGGATGATGTGGAAGTGGATGGTGTGAGCGTGGCCACAGGAGCATCC  
 TTGGTTCTGTACGATGGCTCCCCGCTGGTTCACACCCAATGTGTTGTGGGACCTTGTGGACAGGATAG  
 GAATCACCATCCTGGGAACGGGAGCCAAGTGGCTGTCAGTGTGGAGGAGAAGGACATGAAGCCGATGGA  
 AACTCACAACTCCACACGCTCCACACGATCCTGTCCACCGGCTCGCCACTGAAAGCCCAGAGCTATGAG  
 TATGTGTACAGATGCATCAAGAGCACCGTGTCTCCTCGGCTCCATCTCAGGTGGCAGTGCATCATCTCCT  
 GTTTCATGGGCCAGAACTCATCTATTCTGTGTACAAGGGTGGATCCAAGCCCGGAACCTCGGCATGGC  
 CGTGGAAAGCCTGGGACGAGGAAGGGAAAACCGTCTGGGGAGCGAGTGGCGAGCTGGTTTGCACCAAGCCC  
 ATACCCTGCCAGCCACGCACTTCTGGAACGACGAGAACGGCAGCAAGTACAGGAAGGCTTACTTCTCCA  
 AATACCCAGGTGTCTGGGCACACGGCGACTACTGCAGGATCAACCCCAAGACAGGAGGTATCGTCATGTT  
 GGGCCGGAGTGATGGCACCCCTCAACCCCAATGGCGTACGCTTTGGCAGCTCGGAGATCTACAACATTGTG  
 GAAGCCTTCGATGAGGTGGAGGACAGCCTTTGTGTGCCAGTACAACAGGGATGGTGGAGGCGGGTAG  
 TCCTGTTTCTGAAGATGGCCTCTGGGCACACTTCCAGCCCGACCTCGTGAAGCACATCCGTGATGCCAT  
 CCGCCTTGGCCTGTCTGCTCGCCACGTGCCAGCCTCATCCTGGAGACCAAGGCATTCCATACACAATC  
 AACGGCAAGAAAGTGGAGGTGGCCGTGAAGCAGGTGATAGCTGGGAAGACTGTGGAGCACCAGGGGGGCT  
 TCTCAACCTGAGTCCCTGGACCTGTATCGGGACATCCCTGAGCTGCAGGACTTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_023104

**Insert Size:** 2019 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\\_023104.1](#), [NP\\_075592.1](#)

**RefSeq Size:** 3190 bp

**RefSeq ORF:** 2019 bp

**Locus ID:** 65984

**UniProt ID:** [Q9JMI1](#)

**Cytogenetics:** 12q14

**Gene Summary:** activates acetoacetate to its CoA ester [RGD, Feb 2006]