

## Product datasheet for **RN212423**

### **Aifm1 (NM\_031356) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aifm1 (NM_031356) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aifm1
Synonyms:	Aif; Pdc8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212423 representing NM\_031356  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTCCGGTGTGGAGGCTGGCGGGTGTCTTCAAGCAGAACTGGTGCCTTGGTGCCTCGGTGCGGTGGTGTGCG  
 TCCAGAGGCCGAAACAGAGGAACCGGCTTCCAGGCAACTTGTCCAGCAATGGCGTGTCCCTCTAGAACT  
 CCAGATGGCAAGACAAATGGCTAGCTCTGGTCCATCAGGGGGCAAAATGGATAATTCTGTGTTAGTCCTT  
 ATTGTGGGCTTATCAACAATAGGAGCTGGTGCATATGCCTACAAGACTATTAAAGAAGACCAAAAAAGAT  
 ATAATGAAAGAATAATGGGATTAGGACTGTCACCAGAAGAGAAACAGAGAAGAGCCATTGCCTCTGCTGC  
 AGAAGGAGGCTCAGTTCCTCCAATCAGGGTACCAAGTACGTCCTTTCTGCTGATTGGTGGAGGTA  
 GCTGCCTTTGAGCAGCTAGATCCATCCGGGCTCGGGATCCTGGGGCCAGGGTCTCATCGTATCTGAAG  
 ACCCTGAACTACCATACTGCGACCTCCTTTTAAAAGAATTGGTGTTCAGATGACCCAAATGTCAC  
 AAAGACTGCAGTTCAGACAGTGAATGGAAAAGAGAGAAGCATCTATTCCAGCCACCTCTTTCTAT  
 GTCTCTGCTCAGGACCTGCCTCATATTGAGAATGGTGGTGGCTGTCTCACCGGGAAGAAGGTAGTCC  
 ACCTGGATGTAAGAGGCAACATGGTGAACCTTAATGATGGCTCTCAGATTACCTTTGAAAAGTGCTTGT  
 TGCAACGGGAGGCACTCCAAGAAGTCTGTCTGCTATCGATAGGGCTGGAGCAGAGGTGAAGAGTAGAACA  
 ACACCTTTTCAAAAAGATTGGAGATTTTAGAGCCTTGGAGAAGATCTCCCGGGAAGTCAAGTCAATTACAG  
 TTATTGGTGGAGGCTTCTTGGGAGCGAACTGGCTGTGCTCTTGGCAGAAAAGTCAAGCCTCAGGCAT  
 AGAAGTGATTGAGTCTTCCCTGAGAAAGGAAATATGGGAAGATCCTTCTGAATACCTCAGCAACTGG  
 ACCATGGAAAAGTCAAACGAGAGGGAGTGAAGTGTGATGCCCAATGCAATTGTACAATCAGTTGGAGTCA  
 CGGTGGCAAGTTACTCATTAAAGCTAAAGGACGGAAGGAAGTGAAGAACTGACCACATAGTAACAGCTGT  
 GGGCCTAGAACCCAATGTCGAGTTGGCCAAGACTGGTGGGCTGGAAATAGATTCCGATTTTGGTGGCTTC  
 CGGGTAAATGCAGAGCTTCAAGCACGTTCTAACATCTGGGTGGCAGGAGATGCTGCATGCTTCTATGATA  
 TAAAGTTGGTGAAGGAGAGTAGAACATCATGATCACGCTGTTGTGAGTGAAGACTGGCTGGAGAAAA  
 TATGACTGGAGCTGCTAAGCCACTGGCATCAGTCAATGTTCTGGAGTATTTGGGTCCTGATGTTGGC  
 TATGAAGCTATTGGTCTGGTGGATAGTAGTTTGGCCACAGTTGGTGTGTTTTGCAAAAAGCAACTGCACAAG  
 ACAACCAAAATCTGCCACAGAGCAGTCAAGAACTGGTATCCGTTCCGAGAGTGAAGCAGAGTCTGAAGC  
 TTCTGAAATCACAATCCCTCCAGTACCCTGCAGTCCACAGGTCCTGTTGAAGGGGAGGACTACGGC  
 AAAGGTGCATCTTCTACCTCAGGGACAAAGTTGGTGGGGATTGTGCTATGGAACGCTTTAACCGAA  
 TGCCGATTGCAAGGAAGATCATTAAAGACGGTGAAGCAACATGAAGACCTCAATGAAGTAGCCAAACTCTT  
 CAACATTCATGAAGATTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031356

**Insert Size:** 1839 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\\_031356.1](#), [NP\\_112646.1](#)

**RefSeq Size:** 2105 bp

**RefSeq ORF:** 1839 bp

**Locus ID:** 83533

**UniProt ID:** [Q9JIM53](#)

**Cytogenetics:** Xq36

**Gene Summary:** may facilitate apoptotic chromatin condensation and DNA degradation [RGD, Feb 2006]