

## Product datasheet for **RR216986**

### Aifm3 (NM\_001013977) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aifm3 (NM_001013977) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aifm3
Synonyms:	RGD1306028
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216986 representing NM\_001013977  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCGGCTGCTTCTCCAAGCCCAAGCCAGTGGAGCTCAAGATCGAAGTGGTGTGCCAGAGAAGAGC  
 GGGCAAGGAAGAGCTGTCAGCCAGCGAAAGGGCAGCCCCGGGTTACAGGGCAATGGCACAGCACG  
 TCACTTCCATGCTGAAGAGCGTCTGCCACTCCACAGCCCTACCCAGCCCTCAGGACTGTGTGGAGGCT  
 ACCGTCTGCCATGTCAAGGACCTGGAGAATGGCCAGATGCGGGAAGTGGAGTTGGGCTGGGGAAAGGTGT  
 TGCTGGTGAAGGATAATGGGGAATCCACGCCCTGGCCATAAGTGTCTCACTACGAGCACCCTGGT  
 GAAAGGTGTGCTGCCGGGACGTGTGCGCTGCCCTGGCATGGTGCCTGCTTCAATATTGAACTGGG  
 GACCTAGAGGACTCCCAGGCCCTGGACAGTCTGCATAAGTCCAGGTGAAGATTGAGAAGGAGAAGGTGA  
 CCGTTCGGGAAGCAAGCAGGCCCTGCAGCTGCAGCGGAGGACAAAGGTGATGGCCAAGTGCATCTCTCC  
 AAGTGTGCCACAGCAGCACCAATGTGCTCATAGTGGGCGCAGGTGCTGCTGGCCTAGTGTGCGCAGAG  
 AACTGAGGCAGGAGGGCTTCTCAGACCCGATTGTCCTTTGCACACTGGATCGACATCTGCCTTATGATC  
 GGGCAAGCTCAGCAAGTCCCTGGATGCACAACCTGAACAGCTGGCCCTGAGACCAAGGAATCTTCCG  
 GGCTATGGCATCGAGATGCTCACTGAAGCTCAGGTGGTACAGTGGACGTGAGAAATAAGAAGTTGTG  
 TTCAAGGACGGCTTCAAGCTAGAGTACAGCAAGCTGCTGCTGGCACCAGGAAGTAGCCCTAAGACCTGA  
 CCTGCAAAGGGAAAGACATAGAGAATGTGTTACCATCCGCACGCTGAGGATGCCAACCCGCTGCTGCG  
 GCTGGCCCGGGCCGAAATGCTGTTGTTGTGGGAGCAGCTTCTGGGATGGAGTTCGCTGCTTATCTG  
 ACTGAAAAGCCCACTCAGTATCTGTGGTAGAGCTGGAGGAGACGCCCTCCGCAGGTTCTGGGGAGC  
 GTGTTGGTCTGCCCTTATGAAGATGTTTGAACAACCCGGGTGAAGTTCTATATGCAGACAGAGGTGTC  
 AGAGCTGCGGGCTCAAGAGGGCAAGCTGCAGGAGGTGGTGTGAAGAGCAGCAAAGTTCTGCGGGCAGAC  
 GTCTGCGTGGTAGGCATCGGTGCGGTGCCTGCCACAGGCTTCTGAGGCAGAGTGGCATTGGTCTGGATT  
 CCCGAGGTTTCTCCAGTCAACAAGATGATGCAGACCAACATCCAGGAGTGTGCTGCGAGGTGATGC  
 TGTCACTTCTCTTGCCTGGAGGAACAATCGGAAAGTGAACATCCACACTGGCAGATGGCTCATGCC  
 CAGGGTCGGGTAGCAGCTCAGAACATGCTGGCACAGGAGGAGAGATCAACACGGTACCTTATCTGTGGA  
 CTGCCATGTTCCGCAAGAGCCTGCGCTATGCTGGCTACGGAGAAGGCTTCGATGATGTCATTCAGGG  
 GGATCTGGAGGAGCTGAAGTTTGTGCTTTTTATACAAAGGTGACGAAGTATTGCTGTGGCCAGCATG  
 AACTACGACCCCATCGTATCCAAGTGGCCGAGGTGCTGGCCTCAGGTGAGCCATCCGGAAGCGGGAGG  
 TGGAGTTGTTATGCTGCACAGCAAGACCGGTGACATGTCTTGGCTCACAGGGAAAGGATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216986 representing NM\_001013977  
 Red=Cloning site Green=Tags(s)

MGGCFSKPKPVELKIEVVLPEKERGKEEL SASGKGS PRGYQGNGTARHFHAEERLPTQPYPSPQDCVEA  
 TVCHVKDLENGQMREVELGWGKVLVVDNNGEFHALGHKCPHYGAPLVKGVLSRGRVRCPPWHGACFNIGTG  
 DLEDFPGLDSLHKFQVKIEKEKVTVRASKQALQLQRRTKVMACISPSAGHSSTNVLIVGAGAAGLVCAE  
 TLRQEGFSDRIVLCTLDRLHPYDRAKLSKSLDAQPEQLALRPKEFFRAYGIEMLTEAQVVTVDVRNKKVV  
 FKDGFKLEYSKLLLAPGSSPKLTCKGKDIENVF TIRTPEDANRVLRLARGRNAVVVAGFLGMEVAAYL  
 TEKAHSVSVVELEETPFRRFLGERVGRALMKMFENNRVKFYMQTEVSELRAQEGKLQEVVLKSSKVLRAD  
 VCVVIGAVPATGFLRQSGIGLDSRGFIPVNKMMQTNIPGVFAAGDAVTFPLAWRNNRKVNIIPHWQMAHA  
 QGRVAAQNMLAQEAEINTVPYLWTAMFGKSLRYAGYGEFDDVVIQGDLEELKFVAFYTKGDEVIIVASMS  
 NYDPIVSKVAEVLASGRAIRKREVELFMLHSKTGDMSWLTGKGS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001013977

**ORF Size:** 1812 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001013977.3](#), [NP\\_001013999.2](#)

**RefSeq Size:** 2314 bp

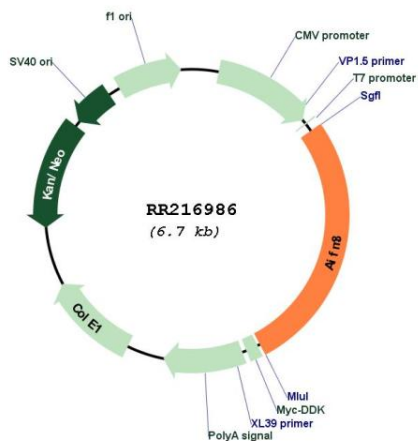
**RefSeq ORF:** 1815 bp

**Locus ID:** 303786

**Cytogenetics:** 11q23

MW: 66.6 kDa

Product images:



Circular map for RR216986