

Product datasheet for **RR206615**

Afm (NM_172320) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afm (NM_172320) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Afm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206615 representing NM_172320
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACACTTAAAACCTACAGGTTTTATTTTTCTGTGTCTTTGACTGAATCCCTAGCCCTACCCA
 CAAAGCCTCAGGATGTAGATCATTTCAATGCTACTCAGAAATTCATAAATGAGAAGCTTGCATACCTGAC
 CATCATTGCATCTGCCAGTATGTTTCAAGGAGCATCCTTTGAGGAGGTGAAATGCTGGTGAAGGTCATG
 CTGGATTACAAGGATAGGTGCTTGGCTGACAGCACACTCCGGAGTGTTCAAAGATAGCTAATGATGCTA
 TCCAGGACATGCTCTGTGATATGAAGGGGCTGCCACAGAAGCATAAATCTCCCATTGCTGTAGGCAAGC
 CGGCTTTCAAAGAAGACTCTGCTTCTTACAACAAGAAAGCTAATGTAGGATTTCTGCCCTTTCCCT
 ACTCTGGATCCAGAAGAGAAATGCCAAGCTTATAAAAAAACAGTGAATCTTTTCTCAACCTCTATATGT
 ATGAGGTGGCCAGAAGGAACCCCTTTCCTTCGCCCCAGTCTTCTGAACGTTGCCGCTAGGTTTGAGGA
 GCGCGCACCACGTGCTGTGAACAGCAACAGAAGCCACTACTTCAAGACAAGGCAGCCCCATCACA
 CAGTATTTAAAAGCGTTATCTTCTATCAAAGAAATGTTTGTGGAGCCCTTTAAAATTTGACCCAAGA
 CCTTAACTCTATAAACATCGCCGTGTTTAGTAAGAAGTCCCAAGATTGGATTGAAGACCTTACGTC
 CCTTTAGAAGATGTTTCTTCCATGTATGACGGGTGCTGTGAAGGGGACGTGTCGACGTGCATCCGGAGC
 CAGAGCCAGGTTATGCACCATATTTGTTCAAACAAGACTCCATCTCAAGTAAGTCAAAGCGTGTGTG
 AGAAGAACTGCCAGAGCGCGCAGACTGCATAATCAACGCAAACAAGGATGACAGACCAGAAGACTTATC
 TCTGAGAACCCCAAATTTACCGACAGTGAATAATGTGTCCAAGAGCGAGATTCCGAGCAGGACAAGTTC
 TTTGCTGAGTTTCTTATGATTACTCCAGAAGACATACTGAACTGTCTACACCAGAGCTCCTAAGAATTA
 CTAAGTGTATAAGGATCTCCTGGAAGATTGCTGCAACAGAAAAACCCGTTAAGCTGTTACCGCCATGC
 GGAGGATAAGTTCAACGAGACAACAGAGCGAAGCCTTGCGATGGTCCAGCAAGAGTGCAAACAGTCCAG
 GAATTGGGAAGGACGCTCTACAACGCCATTTCTTGTCAAGTTCACCAAGGCAGCCCTCAACTCCCCA
 TGGAGAAGTGGTCTCCCTTAGTAAGGAAATGGTGGCGGCTTTGGCAACCTGCTGCACTCTCAGTGACGA
 GTTCGCTGTGTGGACAACCTGGCAGATTTAGTCTTGGAGAATTATGTGAATGAATAAGAATCGAACT
 ATCAATCCACTGTGGATCACTGCTGCAGAGCTGACTTTGCCTCAGGAGACCCTGCTTTGAGCACCTGA
 AAGCCGACACCCTATGCACTCCCATCAGTCTCTGCACTGTATCTGCTTTGCTGCAGACTGGTGTCA
 GCCTCTCAAGGAGACCTTCAGAATAAGAGACACAGGTTTCTGGTCAACTAGTGAAGTGGATGCCAGAG
 ATCACAGATGAGGAACGTCTGTGTTTGTCAAAAGTTCACGGCTGCTGGGGAGGAGTGTGGCAACATAC
 AGAAGCCTGAGGCTGTTTCAGTCCAGAGAGTTCAAAAACCGGTGATGTGAGTCAAGATGCAGAGAAACA
 AAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206615 representing NM_172320
 Red=Cloning site Green=Tags(s)

MRHLKLTGFIFLLSLTESLALPTKPQVDHFNATQKFINENVAYLTIIASAQYVQEASFEEVEMLVKVM
 LDYKDRCLADSTLPECKSIANDAIQDMLCDMKGLPQKHNF SHCCRQAGFQRRLCFFYNKKANVGFLLPPFP
 TLDPEEKQAYKNNSSEFLNLYMEVARRNPFAPVLLNVAARFEEAATTCCEQQKATYFQDKAAPIT
 QYLKALSSYQRNVCGALLKFGPKTLNSINIAVFSKFKPKIGFEDLTSLLEDVSSMYDGCCEGDVVQCIRS
 QSQVMHHICSKQDSISSIKACCEKLPERADCIINANKDDRPELRLRTPKFTDSENVQERDSEQDKF
 FAEFLYDYSRRHTELSTPELLRITKVYKDLLEDCCNRKNPLSCYRHAEDKFNETTERSLAMVQEQCKQFQ
 ELGKDALQRHFLVKFTKAAPQLPMEELVLSKEMVAALATCCTLSDEFACVDNLADLVLGELCGMKNKRT
 INPTVDHCCRADFARRPCFEHLKADTTYALPSVSALVSLRADWCQPLKEDLQNKRRHFLVNLVKWMP
 ITDEERLCLFTKFTAAGEECGNIQKPEACFSPESKTDVVSQDAEKQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_172320

ORF Size: 1824 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_172320.1](#), [NP_758823.1](#)

RefSeq Size: 1827 bp

RefSeq ORF: 1827 bp

Locus ID: 282708

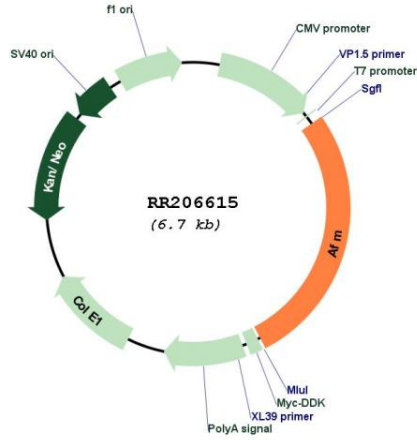
UniProt ID: [P36953](#)

Cytogenetics: 14p22

MW: 69.3 kDa

Gene Summary: secreted protein in the serum that fulfills ligand-carrier functions at late stages of development [RGD, Feb 2006]

Product images:



Circular map for RR206615