

## Product datasheet for **RC211969**

### AFM (NM\_001133) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AFM (NM_001133) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AFM
Synonyms:	ALB2; ALBA; ALF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC211969 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACTACTAAAACCTTACAGTTTTATTTTTTTCTGTTTTTTTTACTGAATCCCTAACCTGCCCA  
 CACAACCTCGGGATATAGAGAACTCAATAGTACTCAAAAATTTATAGAAGATAATTGAATACATCAC  
 CATCATTGCATTTGCTCAGTATGTTGAGGAAGCAACCTTTGAAGAAATGGAAAAGCTGGTAAAAGACATG  
 GTAGAATACAAAGACAGATGTATGGCTGACAAGACGCTCCAGAGTGTTCAAAATTACCTAATAATGTTT  
 TACAGGAAAAATATGTGCTATGGAGGGCTGCCAAAAAGCATAATTTCTCACACTGCTGCAGTAAAGT  
 TGATGCTCAAAGAAGACTCTGTTTCTTCTATAACAAGAAATCTGATGTGGGATTTCTGCCTCCTTCCCT  
 ACCCTGGATCCCGAAGAGAAATGCCAGGCTTATGAAAGTAAACAGAGAATCCCTTTAAATCACTTTTTAT  
 ATGAAGTTGCCAGAAGGAACCCATTTGTCTTCGCCCTCACTTCTAACTGTTGCTGTTCAATTTGAGGA  
 GGTGGCCAAATCATGTTGTGAAGAACAACAAAGTCACTGCCTCAAACAAGGCAATACCTGTCACA  
 CAATATTTAAAAGCATTTTCTTCTATCAAAAACATGTCTGTGGGGCACTTTTGAATTTGGAACCAAAG  
 TTGTACACTTTATATATATTGCGATACTCAGTCAAAAATTCCCCAAGATTGAATTTAAGGAGCTTATTTT  
 TCTTGTAGAAGATGTTTCTTCCAATAATGATGGATGCTGTGAAGGGGATGTTGTGCACTGCATCCGTGAC  
 ACGAGCAAGGTTATGAACCATAATTTGTTCAAAAACAAAGTCTATCTCCAGCAAAAACAAAGAGTGTGTG  
 AAAAGAAAATACCAGAGCGCGCCAGTGCATAATTAACCTCAAACAAGATGATAGACCAAAGGATTTATC  
 TCTAAGAGAAGGAAAATTTACTGACAGTGAATAATGTGTGCAAGAACGAGATGCTGACCCAGACACCTTC  
 TTTGCGAAGTTTACTTTTGAATACTCAAGGAGACATCCAGACCTGTCTATACCAGAGCTTTTAAAGAAATG  
 TTCAAATATACAAAGATCTCTGAGAAATGCTGCAACACAGAAAACCTCCAGGTTGTTACCGTTACGC  
 GGAAGACAAATTCATGAGACAACCTGAGAAAAGCCTCAAGATGGTACAACAAGAATGTAACCATTTCCAG  
 AATTTGGGGAAGGATGGTTTGAATACCATACCTCATCAGGCTCACGAAGATAGCTCCCAACTCTCCA  
 CTGAAGAAGTGGTGTCTCTTGGCGAGAAAATGGTACAGCTTTCACTACTTGCTGTACGCTAAGTGAAGA  
 GTTTGCCTGTGTTGATAATTTGGCAGATTTAGTTTTTGGAGAGTTATGTGGAGTAAATGAAAATCGAACT  
 ATCAACCTGCTGTGGACACTGCTGTAACAACAACTTTGCCTCAGAAGGCCCTGCTTTGAGAGTTTGA  
 AAGCTGATAAAACATATGTCCTCCACCTTCTCTCAAGATTTATTTACCTTTACGCAGACATGTGTCA  
 ATCTCAGATGAGGAGCTTCAGAGGAAGACAGACAGGTTTCTTGTCAACTTAGTGAAGCTGAAGCATGAA  
 CTCACAGATGAAGAGCTGCAGTCTTTGTTTACAAATTTGCAAAATGTAGTGGATAAGTGTGCAAAAGCAG  
 AGAGTCTGAAGTCTGCTTAATGAAGAGAGTCCAAAAATTTGGCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC211969 protein sequence  
 Red=Cloning site Green=Tags(s)

MKLLKLTGFIFFLFFL TESLTLPTQPRDIENFNSTQKFIEDNIEYITIIAFAQYVQEATFEEMEKLVKDM  
 VEYKDRCMADKTLPECSKLPNNVLQEKICAMEGLPQKHNF SHCCSKVDAQRRLCFFYNKSDVGFPPFP  
 TLDPEEKQAYESNRESLLNHFLYEVARRNPFVFAPTLLTVAVHFEEVAKSCCEEQNKVNCLQTRAIPTV  
 QYLKAFSSYQKHVCGALLKFGTKVVHF IYIAILSQKFPKIEFKELISLVEDVSSNYDGCCEGDVVQCIRD  
 TSKVMNHICSKQDSISSKIKECCEKKIPERGQCIINSNKDDRPKDLSLREGKFTDSENVQERDADPDTF  
 FAKFTFEYSRRHPDLSIPELLRIVQIYKDILLRNCNTENPPGCYRYAEDKFNETTEKSLKMWQVECKHFQ  
 NLGKDGLKYHYLIRLTKIAPQLSTEELVSLGKEMVTAFTTCTLSEEFACVDNLADLVFGLCGVNEENRT  
 INPAVDHCCCKTNFAFRPCFESLKADKTYVPPFSQDLFTFHADMCSQNEELQRKTDRLFVNLVKLKHE  
 LTDEELQSLFTNFANVVDKCKAESPEVCFNEESPKIGN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6448\\_a05.zip](https://cdn.origene.com/chromatograms/mk6448_a05.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001133

ORF Size: 1797 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\\_001133.2](#), [NP\\_001124.1](#)

RefSeq Size: 1997 bp

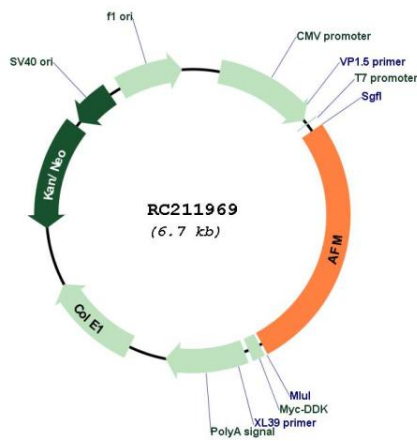
RefSeq ORF: 1800 bp

Locus ID: 173

**UniProt ID:** [P43652](#)  
**Cytogenetics:** 4q13.3  
**Domains:** ALBUMIN  
**Protein Families:** Druggable Genome, Secreted Protein  
**MW:** 69.1 kDa

**Gene Summary:** This gene is a member of the albumin gene family, which is comprised of four genes that localize to chromosome 4 in a tandem arrangement. These four genes encode structurally-related serum transport proteins that are known to be evolutionarily related. The protein encoded by this gene is regulated developmentally, expressed in the liver and secreted into the bloodstream. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC211969