

## Product datasheet for **SC106223**

### AFM (AH003117) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AFM (AH003117) Human Untagged Clone
Tag:	Tag Free
Symbol:	AFM
Synonyms:	ALB2; ALBA; ALF
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AH003117, the custom clone sequence may differ by one or more nucleotides

```
GGTTTCTACAAAGATGAAACTACTAAAACCTTACAGTTTTATTTTTTTCTGTTTTTTTTACTGAATCC  
CTAACCTGCCACACAACCTCGGGATATAGAGAACTTCAATAGTACTCAAAAATTTATAGAAGATAATA  
TTGAATACATCACCATCATTGCATTTGCTCAGTATGTTTCAGGAAGCAACCTTTGAAGAAATGGAAAAGCT  
GGTGAAAGACATTGCCACAAAAGCATAATTTCTCACACTGCTGCAGTAAGTTGATGCTCAAAGAAGACT  
CTGTTTCTTCTATAACAAGAAATCTGATGTGGGATTTCTGCCTCCTTTCCCTACCCTGGATCCCAGAG  
AAATGCCAGGCTTATGAAAGTAACAGAGAATCCCTTTTAAATCACTTTTTATATGAAGTTGCCAGAAGGA  
ACCCATTTGTCTTCGCCCTACACTTCTAACTGTTGCTGTTTCATTTTGAGGAGGTGGCCAAATCATGTTG  
TGAAGAACAAAACAAAGTCAACTGCCTTCAAACAAGGGCAATATGAACTCACAGATGAAGAGCTGCAGTC  
TTTGTTTACAAATTTTCGCAATGTAGTGGATAAGTGTGCAAAGCAGAGAGTCTGAAAGTCTGCTTAAAT  
GAAGAGAGTCCAAAATTTGGCAACTGAAGCCAGCTGCTGGAGATATGTAACAAAAGCACCAAAGGGA  
AGGCTTCTATCTGTGTGGTGTGAATCGCATTTCCTGAGAACAAAATAAAAGGATTTTTCTGTAAGTGT  
CACCTGAAATAATACATTGCAGCAAGCAATAAACACAACATTTTGTAAGTT
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AH003117 unedited  
 GGCCGTGTCCAGGCATATTTGTNAATACGNATNCACTATAGGGNCCGCCGCGNGTTTTCT  
 ACAAAAATGAAACTACTAAAACCTACAGGTTTTATTTTTTTCTTGTTTTTTTGACTGAA  
 TCCCTAACCTGCCACACAACCTCGGGATATAGAGAACTTCAATAGTACTCAAAAATTT  
 ATAGAAGATAATATTGAATACATCACCATCATTGCATTTGCTCAGTATGTTTCAGGAAGCA  
 ACCTTTGAAGAAATGAAAAGCTGGTGAAGACATGGTAGAATACAAAAGACAGATGTATG  
 GCTGACAAGACGCTCCCAGAGTGTCAAATACCTAATAATGTTTTACAGGAAAAATA  
 TGTGCTATGGAGGGCTGCCACAAAAGCATAATTTCTCACACTGCTGCAGTAAGGTTGAT  
 GCTCAAAGAAGACTCTGTTTCTTATAACAAGAAATCTGATGTGGGATTTCTGCCTCCT  
 TTCCCTACCCTGGATCCCGAAGAGAAAATGCCAGGCTTATGAAAGTAACAGAGAATCCCTT  
 TTAATCACTTTTTATATGAAGTTGCCAGAAGAACCCATTTGTCTCGCCCTACACTT  
 CTAAGTGTGCTGTTCAATTTGAGGAGGTGGCCAAATCATGTTGTGAAGAACAAAACAA  
 GTCAACTGCCTTCAAACAAGGGCAATACCTGTCACACAATTTTAAAAGCATTCTTCT  
 TATCAAAAACATGTCTGTGGGGCACTTTTAAAATTTGGAACCAAAGTTGTACACTNTATA  
 TATATTGGGATACTCAGTCAAAAATCCCAAGATTGATTTAAGGGAGCTATNTCTTGT  
 TAGAAGATGTTTTCTCCACTATGATGGATGCTGTGAGGNGNATGTNGTGCANTGCATCCG  
 TGACCGAGCAGGTTATGAACCATATT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AH003117 unedited  
 TTGCCCCNAATTTACTGTGNACCGCGCCCGTATNCTANGATCGNATTTTTTTTTTTTTT  
 TTTTTAACTTTACAAAATGTTGTGTTTATTGCTTGCTGCAATGTATTATTTCAAGGTGACA  
 GTTACAGAAAAATCCTTTTATTTTGTCTCAGGAAATGCGATTATCACCACACAGATAG  
 GAAGCCTTCCCTTTGGTGTCTTTTTCTTACATATCTCCAGCAGCTGGCTTCAGTTGCCA  
 ATTTTTGGACTCTTTCATTAAGCAGACTTCAGGACTCTCTGCTTTGCAGCACTATCC  
 ACTACATTTGCGAAATTTGTAACAAAGACTGCAGCTCTTCATCTGTGAGTTCATGCTTC  
 AGCTTCACTAAGTTGACAAGAACTGTCTGTCTTCTCTGAAGCTCCTCATTCTGAGAT  
 TGACACATGTCTGCGTGAAGTAAATAAATCTTGAGAGAAAGGTGGAGGCACATATGTT  
 TTATCAGCTTTCAAACCTCTCAAAGCAGGGCCTTCTGAAGGCAAAGTTTGTTTACAGCAG  
 TGGTCCACAGCAGGGTTGATAGTTTCGATTTTCATTTACTCCACATAACTCTCAAAAACT  
 AAATCTGCCAAATATCAACACAGGCAAACTCTCACTTAGCGTACAGCAAGTAGTGAAA  
 GCTGTCACCATTTTCTCGCCAAGAGACACCAGTTCTTCAGTGGAGAGTTGGGGAGCTATC  
 TTCGTGAGCCTGATGAGGTAATGGTATTTCAAACCATCCTTCCCAAAATCTGGANATGT  
 TTACATTTCTGTTGACCATCTTGAGGCTTTTCTCAGTTGTCTCATTGAAATTGTCTTCC  
 GCGNTACGGTAACAAC

**Restriction Sites:**

NotI-NotI

**ACCN:**

AH003117

**Insert Size:**

2300 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:** [AH003117.1](#), [AAA68197.1](#)

**RefSeq Size:** 822 bp

**RefSeq ORF:** 822 bp

**Locus ID:** 173

**Cytogenetics:** 4q13.3

**Protein Families:** Druggable Genome, Secreted Protein

**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]