

Product datasheet for **MC219671**

Afm (NM_145146) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afm (NM_145146) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Afm
Synonyms:	Alf; alpha-Alb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219671 representing NM_145146
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACACTTAAAACCTACAGGTTTTATTTTTCTGTGCCTTTGACTGAATCCCTAGCCCTACCCA
 CAAAGCCTCAGGACGTAGATCATTTCAATGCTACCCAGAAATTCATAGATGAGAACACGACATACCTGGC
 CATCATCGCGTTTTCCAGTATGTCAGGAAGCATCCTTTGATGAGGTGAAACGCTGGTAAAAGTCATG
 CTGGATTACAGGGATAGGTGCTGGGCTGACAACACACTCCAGAGTGTTCAAAGACAGCTAATGACGCTA
 TCCAGGACATGTTATGTGACATGGAGGGACTGCCGCAGAAGCACAACCTTTCTCATTGCTGCGGAAAGC
 CGGCTTCCAAGAAGACTCTGTTCTTCTACAACAAGAAAGCTAATGTAGGATTCCTGCCCTTTCCCC
 ACTCTGGATCCAGAAGAGAAATGCCAAGCTTATAAAAAAACAGTGAATCTTTCTACACCTCTATATGT
 ATGAGGTTGCCAGAAGGAACCCCTTTGTCTCGCCCCGTTCTTCTAGCCGTGGCTGCTTGGTTTGAGGA
 GGCAGCGACCACATGTTGTGAACAGCAACAGAAAGCCACCTGCTTCAAGCCAAGGCAGCTCCCATCACA
 CAATATTTAAAAGCATCATCTTCTTATCAAAGAAATGTTTGTGGAGCCCTTATAAAGTTTGACCCAAGG
 TCTTAACTCTATAAACGTTGCTGTATTAGTAAAAAATCCCCAAGATTGGATTTAAGGACCTTACCAC
 CCTCTTAGAAGATGTTTCTTCCATGTATGAAGGATGCTGTGAAGGAGATGTTGTGCACTGCATCCGAAGC
 CAGAGCCAGGTTGTGAACCATAATTTGTTCAAAACAAGATTCATCTCAAGTAAAACAAAGTGTGCTGCG
 AAAAGAAGACCCTAGAACGTGAAGCCTGTATAATTAATGCAAATAAAGACGACAGACCGGAGGGCTTATC
 TCTCAGAGAAGCCAAATCACTGAGAGCGAAAAATGTGTGTCAAGAACGAGATTCTGACCCGGACAAGTTC
 TTTGCTGAGTTTATTTATGAATACTCCAGGAGACATCCTGACCTGTCTACACCAGAGCTCCTAAGAATTA
 CTAAAGTGTATATGGACTTCTTAGAAGACTGCTGCAGCAGAGAAAAACCCAGCAGGTTGTTACCGCCATGT
 GGAGGATAAATCAATGAGACAACCTCAGCGAAGCCTTGCAATGGTGCAGCAGGAGTGCAAACAGTTCAG
 GAGCTGGGAAGGACACTCTGCAGCGCCATTTCTTGTCAAGTTCACCAAGGCAGCCCTCAGCTCCCCA
 TGAAGAAGTGGTCTCCCTTAGTAAGGAAATGGTGGCAGCTCTGACAACCTGTTGCACTCTCAGTGACGA
 GTTCGCTGCGTTGACAACCTGGCAGATTTAGTCTTGGAGAGTTATGTGGGTAATAACAATCGAACT
 ATCAATCTGCTGTGGATCACTGCTGCAAAACAGACTTCGCCTTCAGAAGACACTGCTTTGAGCATCTGA
 AAGCTGATACAACGTATGAGCTCCCATCAGTCTCCGCACTGTATCTGCTTGCATACAGACTGGTGTCA
 GCCTCGTAAGGAGACCTTCAGAATAAGAAACACAGGTTTCTGGTCAACTGGTGAAGTGGATGCCAGGG
 ATCACGGATGAGGAGTGGCTGTGCTTGTTCACAAAGTTCAGTGTCCAGGGAGGAGTGCAGCGAAGTGC
 AGGAGCCTGAGTCTGTTTCAGTCCAGAGAGTTCAAAAACCTGGTACGAAAGTCAAGCTACAGAGAAACA
 AAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145146

Insert Size: 1827 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_145146.2](#), [NP_660128.2](#)

RefSeq Size: 2048 bp

RefSeq ORF: 1827 bp

Locus ID: 280662

UniProt ID: [O89020](#)

Cytogenetics: 5 E1

Gene Summary: Functions as carrier for hydrophobic molecules in body fluids. Essential for the solubility and activity of lipidated Wnt family members, including WNT1, WNT2B, WNT3, WNT3A, WNT5A, WNT7A, WNT7B, WNT8, WNT9A, WNT9B, WNT10A and WNT10B. Binds vitamin E. May transport vitamin E in body fluids under conditions where the lipoprotein system is not sufficient. May be involved in the transport of vitamin E across the blood-brain barrier. [UniProtKB/Swiss-Prot Function]