

Product datasheet for **MR209348**

Afp (NM_007423) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afp (NM_007423) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Afp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209348 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTGGATCACACCCGCTTCCCTCATCTCCTGCTACATTTGCTGCGTCCAANGCATTGCACGAAA
 ATGAGTTTGGGATAGCTTCCACGTTAGATTCTCCAGTGCGTGACGGAGAAGAATGTGCTTAGCATAGC
 TACCATCACCTTTACCCAGTTTGTTCGGGAAGCCACCGAGGAGGAAGTGAACAAAATGACTAGCGATGTG
 TTGGCTGCAATGAAGAAAACTCTGGCGATGGGTGTTAGAAAAGCCAGCTATCTGTGTTTCTGGATGAAA
 TTTGTCATGAGACGGAACCTCTAACAAGTATGGACTCTCAGGCTGCTGCAGCCAAAGTGGAGTGGAAAAG
 ACATCAGTGTCTGCTGGCAGCAAGAAGACTGCTCCGGCCTCTGTCCCACCCTTCCAGTTTCCAGAACCT
 GCCGAGAGTTGCAAAGCACATGAAGAAAACAGGGCAGTGTTCATGAACAGGTTTCATATGAAGTGTCAA
 GGAGGAACCCCTTCATGTATGCCCCAGCCATTCTGTCTTGGCTGCTCAGTACGACAAGGTCTTCTGGC
 ATGCTGCAAAGCTGACAACAAGGAGGAGTCTCCAGACAAAGAGAGCATCCATTGCAAAGGAATTAAGA
 GAAGGAAGCATGTTAAATGAGCATGTATGTTTCAGTGATAAGAAAATTTGGATCCCGAAACCTCCAGGCAA
 CAACCATTATTAAGCTAAGTCAAAAGTTAACTGAAGCAAATTTTACTGAGATTCAGAAGCTGGCCCTGGA
 TGTGGCTCACATCCACGAGGAGTGTGCAAGGAAAACCTCGCTGGAGTGTCTGCAGGATGGGGAAAAAGTC
 ATGACATATATGTTCTCAACAAAATATTCTGTCAAGCAAAAATAGCAGAGTGTGCAAATACCCATGA
 TCCAAC TAGGCTTCTGCATAATTCACGCAGAGAATGGCGTCAAACCTGAAGGCTTATCTCTAAATCCAAG
 CCAGTTTTTGGGAGACAGAAATTTGCCAATTTCTTCAGAGGAAAAATCATGTTTCATGGCAAGCTTT
 CTTTCATGAATACTCAAGAACTCACCCCAACCTTCTGTCTCAGTATTCTAAGAATTGCTAAAACGTACC
 AGGAAATATTGGAGAAGTGTCCAGTCTGGAAATCTACCTGGATGTCAGGACAATCTGGAAGAAGAAAT
 GCAGAAAACACATCGAGGAGAGCCAGGCACTGTCCAAGCAAAGCTGCGCTCTCTACCAGACCTTAGGAGAC
 TACAAATTACAAAATCTGTTCTTATTGGTTACACGAGGAAAGCCCTCAGCTGACCTCAGCAGAGCTGA
 TCGACCTCACCGGAAGATGGTGAAGTTCCTCCACGTGCTGCCAGCTCAGCGAGGAGAAATGGTCCGG
 CTGTGGTGAAGGAATGGCCGACATTTTCATTGGACATTTGTGTATAAGGAATGAAGCAAGCCCTGTGAAC
 TCTGGTATCAGCCACTGCTGCAACTCTTCGATTCCAACAGGAGGCTATGCATCACCAGTTTTCTGAGGG
 ATGAAACCTATGCCCTCCCCATTCTCTGAGGATAAATTCATCTCCACAAGGATCTGTCCAAGCTCA
 GGGCAAAGCCCTACAGACCATGAAACAAGAGCTTCTCATTAACTGGTGAAGCAAAGCCCTGAAGTACA
 GAGGAGCAGCTGGCGGCTGCTACTGCAGATTTCTCGGGCCTTTTGAGAAGTGTGCAAAGCCAGGACC
 AGGAAGTCTGTTTACAGAAGAGGGTCCAAAGTGATTTCCAAAACCTCGTGATGCTTTGGGCGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209348 protein sequence
 Red=Cloning site Green=Tags(s)

MKWITPASLILLHFAASKALHENEFGIASTLDSSQCVTEKNVLSIATITFTQFVPEATEEEVNMKMTSDV
 LAAMKKNSGDGLSQLSVFLDEICHETELSNKYGLSGCCSQSGVERHQCLLARKKTAPASVPPFQFPEP
 AESCKAHEENRAVFMNRFIYEVSRRNPFMYAPAILSLAAQYDKVVLACCKADNKEECFQTKRASIAKELR
 EGSMLNEHVCSVIRKFGSRNLQATTTIILSKQLTEANFTEIQKLALDVAHIHEECCQGNLSLECLQDGEKV
 MTYICSQQNILSSKIAECCCKLPMIQLGFCIIHAENGVKPEGLSLNPSQFLGDRNFAQFSSEKIMFMAF
 LHEYSRTHPNLPVSVILRIAKTYQEILEKCSQSGNLPQCQDNLEELQKHIEESQALSKQSCALYQTLGD
 YKLQNLFLIGYTRKAPQLTSAELIDLTKMVSIASTCCQLSEEKWSGCGEGMADIFIGHLCIRNEASPVN
 SGI SHCCNSSYSNRRLCITSFLRDETYAPPPFSEDKFIFHKDLQQAQGGKALQTMKQELLINLVKQKPELT
 EEQLAAVTAADFSGLLEKCKAQDQEVCFTEEGPKLISKTRDALGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_007423

ORF Size: 1818 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_007423.4](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1818 bp

Locus ID: 11576

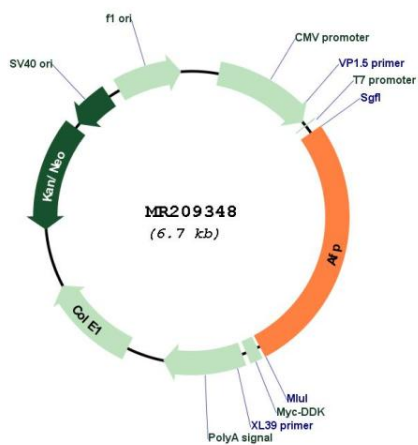
UniProt ID: [P02772](#)

Cytogenetics: 5 44.77 cM

MW: 67.3 kDa

Gene Summary: Binds estrogens, fatty acids and metals.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209348