

## Product datasheet for **RR213708**

### Afp (NM\_012493) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Afp (NM_012493) Rat 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:**

>RR213708 representing NM\_012493  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCAGCCAGCAACCATGAAGTGGAGCGCATCCATTTCTTCTCTCTGCTAAATTTTGGCTGAAC  
 CCAGAGTACTGCACACAAATGAGTTTGGAAATAGAATCCACATTAGACTCTTCCCAGTGCCCGACAGAGAA  
 AAATATGTTTAACTAGCTACCATTGTCGTTGCCAGTTTGTTCAGGATGCCACAAGGCCGAAGTAAAC  
 AAAATGAGTAGCGATGCGTTGGCTGCAATGAAGGAAAACACTGGCGATGGGTGTTTAGAAAACAGCTAT  
 CTGTGTTTCTGGATGAAATTTGCCACGAGACGGAACCTCTAACAAGTATGGATTCTCAGTTTGTGCAA  
 CCAAAGCGGGGTGAAAGACACCAGTGTCTGCTGGCTCGCAAGAAGACCGCTCCAGACTCTGTCCCACCC  
 TTCCACTTTCCAGAACTGCCGAGAGTTGCCAGCATATGAAGAAAACAGGGCGATGTCCATAAACACGT  
 TCATCTACGATGTGTCGAAGAGGAACCCCTTCTGTATGCTCCCACCATTCTTTACTTAGCCGCTCAGTA  
 TGACAAGCGAGTCCAGCATGCTGCAAAGCTGACAACATGGAGGAATGCTTCCAGACAAAGAGAGCATCA  
 ATGGCAAAGGAATTAAGAGAAGGAAGCATGCTCAATGAGCATGTGTGTGCAAGTAAAGAAAGTTTGGAT  
 CCCGGAACCTCCAGGCTGTACTCATCATTAAACTAAGTCAAAAGTTTCCCAAAGCAAATATTACTGAGAT  
 TCGGAAGCTGGCCCTGGACGTGGCCACATCCACGAGCAGTGTGCCACGGCAACGCGATGGAGTGCCTA  
 CAGGATGGGAAAGCGTCATGACACATATATGTTCTCAACAAGAAATTTGTGTCGAGCAAAACAGCAGAGT  
 GCTGCAAACCTACCACCATCGAGCTCGGCTATTGCATAATTTCATGCCGAAATGGCGACAAACCGGAAGG  
 TTTAACTCTGAACCAAGCGAGTTTTTGGGAGACAGAAATTTGCCAGTTTTCTCAGAGGAAAAACTC  
 CTGTTTATGGCAAGCTTCTTTCATGAATATTCAAGAAATCACCCCAACCTTCTGTCTCAGTCATTCTAA  
 AAATGCTAAGTCATACCAGGAAATTTTGGAGAAGTGTCCAGTCTGAAACGCCATCGAAATGCCAGGA  
 CAATATGGAAGAAGAATTGCAAAAACACATCCAGGAGAGCCAGGCACTGGCCAAACAAAGTTGTGATCTC  
 TACCAGAAGTTAGGACCTACTACTTACAAAATCTGTTCCCTATTGGCTACACGCGGAAGGCTCCTCAGC  
 TGACCTCAGCAGAGCTGATAGACCTGACAGGGAAGATGGTGAAGCATTGCCTCAATGTGCTGCCAGCTCAG  
 TGAGGAGAAACGGTCCGCTGCGGTGAGGGACTGGCCGACATTTACATTGGACACTTGTGTTAAGACAT  
 GAGGCAAACCTGTGAACCTCCGGTATCAACCCTGCTGCAAGTTCCTCGTATTCCAACAGGAGGCTCTGCA  
 TCACCAGCTTTCTGAGGGACGAAACCTACGTCCTCCACCATTCTCTGAAGACAAATTCATCTTCCACAA  
 GGATCTGTGCCAAGCTCAGGGCCGAGCCCTACAGACCATGAAACAAGAGCTTCTCATTAACTGGTGAAA  
 CAAAAGCCTGAAATGACAGAGGAGCAGCAGCGGCTGTACTGCTGATTTCTCTGGCCTCTTGGAGAAGT  
 GCTGCAAAGACCAGGATCAGGAAGCCTGTTTCGCAAAAGAGGGTCCAAAGTTGATTTCCAAAACCTGTGA  
 GCCTTTGGGGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213708 representing NM\_012493  
 Red=Cloning site Green=Tags(s)

MKQPATMKWSASISFLLLLNFAEPRVLHTNEFGIESTLDSSQCPTKMFNVATIIVVAQFVQDATKAEVN  
 KMSSDALAAMKENTGDGLENQLSVFLDEICHETELSNKYGFSGCCNQSGVERHQCLLARKKTAPDSVPP  
 FHFPEAESCAYEENRAMSINTFIYDVSKRNPFLYAPTILYLAQYDKAVPACCKADNMEECFQTKRAS  
 MAKELREGSMLNEHVCAVIRKFGSRNLQAVLIKLSQKFPKANITEIRKLALDVAIHEQCCHGNAMECL  
 QDGESVMTHICSQQEILSSKTAECCKLPTIELGYCIHAENGDKPEGLTLPNPEFLGDRNFAQFSSEEK  
 LFMASFLHEYSRNPPLPVSVILKTAQSYQEIIEKCSQSETPSKCQDNMEEELQKHIQESQALAKQSCDL  
 YQKLGYYLQNLFLIGYTRKAPQLTSAELIDLTKMVSIAEMCCQLSEEKRSACGEGLADIYIGHLCLRH  
 EANPVNSGINHCCSSSYSNRRLCITSFLRDETYVPPFSEDKFIHFKDLCAQGRALQTMKQELLINLVK  
 QKPEMTEEQHAAVTADFSGLLEKCKDQDQEAACFAKEGPKLISKTRREALGV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_012493

**ORF Size:** 1833 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\\_012493.2](#), [NP\\_036625.2](#)

**RefSeq Size:** 1986 bp

**RefSeq ORF:** 1836 bp

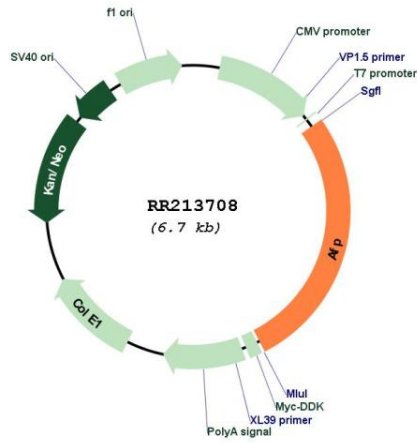
**Locus ID:** 24177

**Cytogenetics:** 14p22

**MW:** 68.4 kDa

Gene Summary: plasma protein expressed in the fetal liver and yolk sac [RGD, Feb 2006]

Product images:



Circular map for RR213708