

Product datasheet for **MC204907**

Afap1 (NM_027373) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afap1 (NM_027373) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Afap1
Synonyms:	2600003E23Rik; 9630044L16Rik; Afap; AI848729; mKIAA3018
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050814
 GCTGTT CAGGGGCGGGGCTATGGAGGCAGGCGGGCCTGTCGCGCTGCGCAGAATCCTCCGGCCACAG
 CTCGCACCGGCGGTGTCTGGGCTCCAGGTCCCAGCTGAGAGATCGCTGAGCTGCGCAGGGCCCCGCCCG
 GGCTCCATTGTTGAGGCAGCGGGCGCTCCGCGGGCTGCGCTCCTCTCGGCCGTCCAGTGTACAGAGCCA
 CTGAATCCTGAGCAATGGAAGAGTTAATAGTTGAACTCCGCTCTTTCTGGAGCTCCTGGACCACGAGTA
 CCTCACATCAACTGTGAGAGAGAAAAAGGCTGTGCTCACCAACATCCTGTGCGCTGCAGTCATCCAAG
 GGCTTTGAAGTGAAGACCATGCTCAGAAGGCAGAGGCCAACACCTGCCGGCACCCACCCAGATGCCTC
 TGCCGGAGATCCCTCAGCCATGGCTGCCTCTGACAGCGGGCCTCCGCTTTACCAACGTCTCTCTCCC
 AGAGGGTTACTATGAGGAAGCCGTGCCGTGAGCCCTGGGAAAGCTCCAGAGTACATCACCTCAAATTAT
 GACTCTGATGCCATGAGCAGTTCCTATGAGTCATATGATGAAGAGGAAGAGGACGGGAAGGGGAAGAAAA
 CTCGGCATCAGTGGCCGTGAGAGGAGCCCTCTATGGACCTGGTAAAGACGCCAAGATCTGTGCCTTCT
 GCTGCGCAAGAAACGCTTTGGCCAGTGGACCAAGCTGCTCTGCGTCATCAAAGACACCAAGCTGTGTGC
 TATAAAAGTTCCAAGGACCAGCAGCTCAGATGGAGCTGCCGCTGCAGGGCTGCAGTATCACATACATCC
 CGAGAGACAGCAAGAAGAAGAAACAGAGCTGAAAATCACCCAGCAAGGCACAGACCCTCTGTTTCTAGC
 TGTT CAGAGCAAGGAACAGGCTGAGCAGTGGTTGAAGGT AATCAAAGAAGCCTACAGTGGCTGTAGCGGG
 CCCGTGGATCCGGAATGTTCTCCACCACCAGCACCAGCCCGCTGAACAAGGAGAAGCTGGAGAAGA
 AATTGCTT CAGAGAGGCCAGCTCTGATGGAGAAGGTGGTGTGGAAAACGGAGTACCACGTGTATGG
 AAAAGAACAAGCAAGAGGAAGAAACCTTCCAAGT CAGAGGCCAAGGGGACTGTGTCCAAGTCACTGGG
 AAGAAAATTACCAAGATCATCGGTCTGGGAAAGAAGCCATCCACAGATGAGCAGACATCATCAGCAG
 AGGAGGATGTGCCCACTTGTGGCTACCTGAATGTGCTCTAACAGCCGCTGGCGGGAGCGCTGGTGCA
 AGTGAAGGACAGCAAACCTATTCTCCACAAGGACAGGGCTGACCTGAAGACCCACCTCGTCTCCATCCCC
 CTCCGTGGCTGCGAGGTGATCCCGGGCTGGATTCTAAGCACCCGTTGACCTTCCGGCTGCTTCGAAACG
 GACAGGAGGTGGCTGTTCTAGAGGCATCATCGTCTGAAGACATGGGCAGGTGGATTGGCATCTTGTGTC
 TGAGACGGGTCTCCACGGACCCAGGAGCGCTGCACTACGACTACATCGATGTGGAGATGTCAGCAAAT
 GTCATCCAGACGGCGAAACAGACCTTCTGCTTTATGAACAGGCGGGCAGTGTCCACTAGCCCATACCTGG
 GGAGCCTCTCCAACGGCTACGCCATCCAGTGGGACAGCACTACACTATGATGACGTCCCTGTGTCAA
 CGGCTCGTTGAAGAACAAAAACCGCCAGCGTCATCTAATGGGGTTCTGTAAAGGGGAAGGCTCCCAGC
 AGTCAGCAAAAAAGGTGAAACTGCAGGTGGTGTGAAACGGACAGCATCAAATGCTGAGCAGTACAAAT
 ATGGGAAGAACCAGGTAGAAGCAGATGCCAAGCGGTTACAGTCCAAGAGGAAGAGCTGTGAAGAGGAA
 AGAGGCCCTACGGAACAGGCTGGCACAGCTGCGGAAAGAGAGGAAGGACCTGAGGGCCGCCATCGAAGT
 AATGCAGGCAGGAAGACCAGGCAGCTCTGGAGGACAAGTTGAAGAGGCTGGAGGAAGAGTGAAGCAGA
 GGGAGGGCGAGCGTGTACGCTGGAGCTGGAGCTGACCGAGGTCAAGGAGAGCCTGAAGAAGGCCTTGGC
 GGGTGGCGTACCTAGGACTGGCCATCGAGCCAGGTGACGGACATCCAGTCCACAGTCTCCTGTGTTT
 CGGCATCGGACTCTGAAAATTCTCCCATCTCCAGCTGTGATACAAGCGATGCTGAGGGGCTTTGCCTG
 TGAACAGTGCAGCCGTCTGAAGAAGAGCCAGCCGTCTCAGGCAGCTCCCCTTGCCGTGGCCACGTGT
 GCAGAAGGCCAAGGAGTGGGAGCTGAAGAATGGACATAGAGGGAGCCAGCCACGCCAGAGACTGTGT
 ACTGCCACCAGCTCGCGTGTGACACGTGTGCCTCCCAGAGTGGCCTGAACATGACCACAGAAGTTTGA
 CGAGTCTGACGCTGACCCCTGGCTGGCTGCGTGCACGCTTTCTACTGTATGACGGTGCCCTTAGGAAA
 GTTTACTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Sfil-Sfil
- ACCN:** NM_027373
- Insert Size:** 2196 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: [BC050814](#), [AAH50814](#)

RefSeq Size: 2629 bp

RefSeq ORF: 2196 bp

Locus ID: 70292

UniProt ID: [Q80YS6](#)

Cytogenetics: 5 B3

Gene Summary: Can cross-link actin filaments into both network and bundle structures. May modulate changes in actin filament integrity and induce lamellipodia formation. May function as an adapter molecule that links other proteins, such as SRC and PKC to the actin cytoskeleton (By similarity).[UniProtKB/Swiss-Prot Function]