

Product datasheet for **RN206817**

Afap1 (NM_080900) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afap1 (NM_080900) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Afap1
Synonyms:	Afap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206817 representing NM_080900
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGAGTTAATAGTTGAACTCCGCCTGTTCTCGAGCTCCTGGACCATGAGTACCTCACGTCAACTG
 TCAGAGAGAAAAAGGCAGTGCTTACCAACATCCTGCTTGAATGCAGTCATCCAAGGCTTTGAAGTGAA
 GGACCATGCACAGAAGGCAGAGACCAACAACTCCCGCACCTCCTCAGATGCCTCTGCCAGAGATCCCT
 CAGCCATGGCTGCCTCCTGACAGTGGGCTCCGCCGTTACCGACATCCTCTCTCCAGAGGGTTACTATG
 AGGAAGCTGTGCCCTGAGTCTGGAAAAGCTCCAGAGTACATCACCTCAAATTGACTCTGAGGCCAT
 GGGCAGTTCCTATGAGTCATATGATGAAGAGGAAGAGGATGGGAAGGGGAAGAAAACGCAGCATCAGTGC
 CATCATGAGGAGGCTCTATGGACCTGGTAAAGATGCCAAGATCTGCGCCTTCTGTTGCGTAAGAAAC
 GCTTCGGCCAGTGGACCAAGCTGCTCTGCGTCATCAAGGACCAAGCTGCTGTGCTACAAAAGTCCAA
 GGACCAGCAGCTCAGATGGAGTGCCTGCAGGGCTGCAGCATCACGTACATCCCGAGAGACAGCAAG
 AAGAAGAAAACACGAGCTGAAAATCACCCAGCAAGGCACAGACCCTCTGGTCTCGCGTCCAGAGCAAGG
 AGCAGGCCGAGCAGTGGCTGAAGGTAATCAAAGAGGCCTACAGTGGCTGCAGTGGGCCCTGGATCCAGA
 GTGTTCTCCACCACCCAGCGCCAGTGTCCCTGTGAACAAGGCAGAACTGGAGAAGAAATTGTCTTCCAGAG
 AGGCCAGCTCTGATGGAGAAGGTGTTGTAGAAAACGGAGTCACCACGTGTAATGGAAAAGAAACAAGCAA
 AGAGGAAGAAACCTCCAAGTCAAGAGCCAAAGGGGACTGTGTCCAAGGTCACTGGGAAGAAAATTACCAA
 GATCATCGGTCTGGGAAAGAAGAAGCCATCCACAGATGACGAGACGTATCAGCAGAGGAAGATGTGCC
 ACCTGTGGCTACCTAAATGTGCTCTCTAACAGTCGCTGGCGGGAGCGCTGGTGCAGAGTGAAGGACAGCA
 AGCTCATTCTCCACAAGGACCGGGTACCTGAAGACCCACATCGTCTCCATCCCTCTCCGCGGCTGCGA
 GGTGATCCCGGGCTTGGATTCTAAGCACCCATTGACCTTCCGGCTGCTTCGAAAATGGACAGGAGGTGGCT
 GTCTAGAGGCATCATCTTCTGAAGACATGGGCAGATGGATTGGCATCTTACTGGCTGAGACAGGGTCTCT
 CAACGGACCCAGGAGCCCTACACTATGACTACATAGATGTGGAGATGTCAGCAAATGTCATCCAGACGGC
 TAAACAGACCTTCTGCTTATGAACAGGAGGGCAGTGTCTACTAGCCCGTACCTAGGGAGCCTCTCCAAT
 GGCTATGCCCATCCAGCGGGACAGCACTACACTATGACGACGTCCCTTGTGTCAACGGCTCGTTGAAGA
 ACAAAAAACCTCCAGCGTCATCTAATGGGCTTCTGTGAAGGGAAGGGCTCCAGCAGCCAGCAAAAAA
 GGTGGAATCTGCGGGGGCGTGAAGCGCACAGCATCAAATGCCGAGCAGTACAAATATGGTAAGAACCAG
 GTAGAAGCAGATGCCAAGCGGCTACAGTCAAAGAGGAAGAGCTACTGAAGAGAAAAGAGGCCCTCGCGA
 ACAGGCTGGCACAGTCCGGAAAGAGAGGAAGGACCTGAGGGCTGCCATCGAAGTGAATGCAGGCAGGAA
 GACCCAGGTGGCCCTGGAGGACAAGTTGAAGAGGTTGGAGGAAGAGTGAAGCAGAGGGAGGCAGAGCGG
 GTCAGCCTGGAGCTGGAGCTGACGGAGGTCAAGGAGAGCCTGAAGAAGGCCTTGGCAGGTGGCGTCACTC
 TAGGACTGGTATCGAACCCAAGTCAAGGACATCAAGCCACAGTCTCCAGTGTTCGGCATCGGACTCT
 GGAAAACCTCCCATCTCCAGCTGTGATACAAGCGATGCTGAGGGGCTTTGCCTGTGAACAGTGCAGCC
 GTCCTGAAGAAGAGCCAGCCGCTCCAGCAGTCCCCCTGCCGTGGGCACGTGCTGCAGAAGGCCAGGG
 AGTGGGAGCTGAAGAATGGAACA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080900
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:	<ol style="list-style-type: none">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:	<u>NM_080900.1</u> , <u>NP_543176.1</u>
RefSeq Size:	2911 bp
RefSeq ORF:	2196 bp
Locus ID:	140935
UniProt ID:	<u>Q8VH46</u>
Cytogenetics:	14q21
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]