

Product datasheet for **MR210338**

Afap1 (NM_027373) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afap1 (NM_027373) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Afap1
Synonyms:	2600003E23Rik; 9630044L16Rik; Afap; AI848729; mKIAA3018
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR210338 representing NM_027373
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGAGTTAATAGTTGAACTCCGCCTCTTTCTGGAGCTCCTGGACCACGAGTACCTCACATCAACTG
TCAGAGAGAAAAAGGCTGTGCTACCAACATCCTGCTGCGCCTGCAGTCATCCAAGGCTTTGAAGTGAA
GGACCATGCTCAGAAGGCAGAGGCCAACAACTGCCGGCACACCCAGATGCCTCTGCCGAGATCCCT
CAGCCATGGCTGCCTCCTGACAGCGGGCTCCGCCTTTACCAACGTCCTCTCTCCAGAGGGTTACTATG
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AGTGGGAGCTGAAGAATGGGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR210338 representing NM_027373
 Red=Cloning site Green=Tags(s)

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MEELIVELRFLLELLDHEYL TSTVREKKA VL TNILLRLQSSKGFVEVDHAQKAEANNLPAPPQMPLPEIP
QPWLPPDSGPPPLPTSSLPEGYYEEAVPLSPGKAPEYITSNYSDAMSSSYESYDEEEEDGKGGKTRHQW
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TCGYLNVLSNSRWRERWCRVKDSKLLILHKDRADL KTHL VSIPLRGCEVIPGLDSKHPLTFRLLRNGQEVA
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VLKKSQPSGSSPCRGHVLQKAKEWELKNGT
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_e08.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



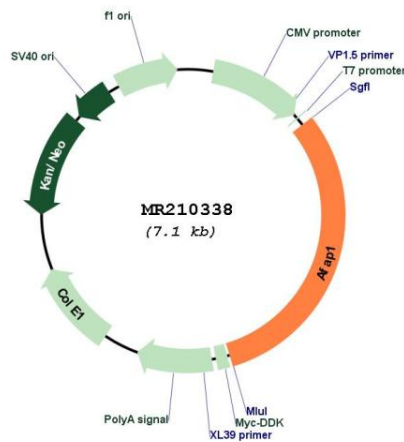
ACCN: NM_027373

ORF Size: 2193 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:	<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_027373.2</u> , <u>NP_081649.1</u>
RefSeq Size:	6617 bp
RefSeq ORF:	2196 bp
Locus ID:	70292
UniProt ID:	<u>Q80YS6</u>
Cytogenetics:	5 B3
MW:	81.1 kDa
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]

Product images:


Circular map for MR210338