

Product datasheet for **RC218676**

AFAP1L1 (NM_152406) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AFAP1L1 (NM_152406) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AFAP1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC218676 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

 ATGGACCGAGGCCAGGTGCTGGAGCAGCTGCTCCCAGAGCTACCGGGCTGCTCAGCCTCCTGGACCAG
 AGTACCTCAGCGATACCACCCTGGAAGAAGATGGCCGTGGCCTCCATCCTGCAGAGCCTGCAGCCCT
 TCCAGCAAAGGAGGTCTCTACCTGTATGTGAACACAGCAGACCTCCACTCGGGGCCAGCTTCGTGGAA
 TCCCTCTTTGAAGAATTTGACTGTGACCTGAGTGACCTTCGGGACATGCCAGAGGATGATGGGGAGCCCA
 GCAAAGGAGCCAGCCCTGAGCTAGCCAAGAGCCACGCCCTGAGAAACGGGCCGACCTGCCTCCACCGCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC218676 protein sequence
 Red=Cloning site Green=Tags(s)

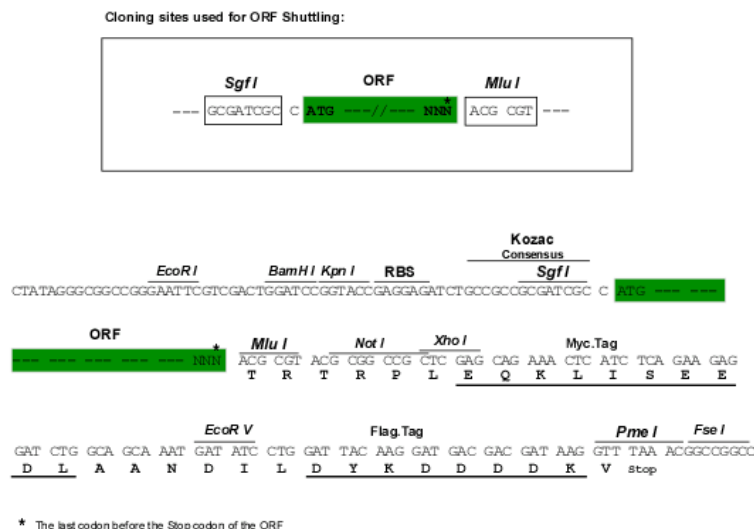
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6688_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152406

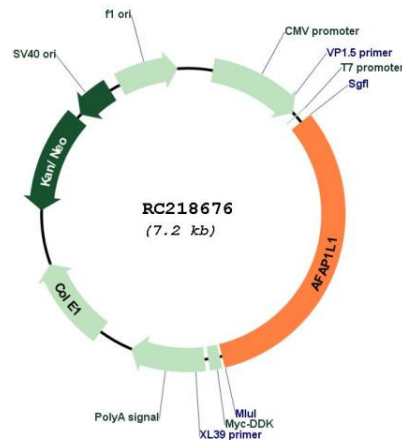
ORF Size: 2304 bp

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](#)

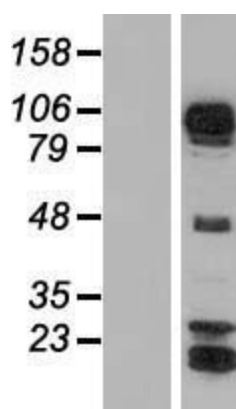
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152406.4</u>
RefSeq Size:	4223 bp
RefSeq ORF:	2307 bp
Locus ID:	134265
UniProt ID:	<u>Q8TED9</u>
Cytogenetics:	5q32
MW:	86.4 kDa
Gene Summary:	May be involved in podosome and invadosome formation.[UniProtKB/Swiss-Prot Function]

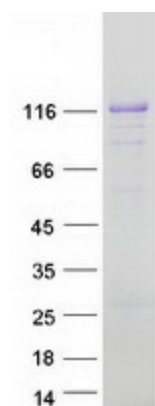
Product images:



Circular map for RC218676



Western blot validation of overexpression lysate (Cat# [LY407574]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218676 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified AFAP1L1 protein (Cat# [TP318676]). The protein was produced from HEK293T cells transfected with AFAP1L1 cDNA clone (Cat# RC218676) using MegaTran 2.0 (Cat# [TT210002]).