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Product datasheet for RG218676

AFAP1L1 (NM_152406) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AFAP1L1 (NM_152406) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AFAP1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG218676 representing NM_152406
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCGAGGCCAGGTGCTGGAGCAGCTGCTCCCAGAGCTCACCGGGCTGCTCAGCCTCCTGGACCACG
AGTACCTCAGCGATACCACCCTGGAAAAGAAGATGGCCGTGGCCTCCATCCTGCAGAGCCTGCAGCCCCT
TCCAGCAAAGGAGGTCTCCTACCTGTATGTGAACACAGCAGACCTCCACTCGGGGCCCAGCTTCGTGGAA
TCCCTCTTTGAAGAATTTGACTGTGACCTGAGTGACCTTCGGGACATGCCAGAGGATGATGGGGAGCCCA
GCAAAGGAGCCAGCCCTGAGCTAGCCAAGAGCCCACGCCTGAGAAACGCGGCCGACCTGCCTCCACCGCT
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GAGGAGGCCTCCATGCACCTGGTGAGGGAATGCAGGATATGTGCCTTCCTGCTGCGGAAAAAGCGTTTCG
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GCAGCCACATCTGAGGTTGGCACTGGATACCTGCAGCATCATCTACGTGCCCAAGGACAGCCGGCACAAG
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GGAAGAAGAGCAGCCTGGCAGAACTGAAGGGCTCAATGAGCAGGGCTGCGGGCCGCAAGATCACCCGTAT
CATTGGCTTCTCCAAGAAGAAGACACTGGCCGATGACCTGCAGACGTCCTCCACCGAGGAGGAGGTTCCC
TGCTGTGGCTACCTGAACGTGCTGGTGAACCAGGGCTGGAAGGAACGCTGGTGCCGCCTGAAGTGCAACA
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TTCGGAGCAGCCCAGGAGCAAAATTAAAGGCTCTGGAAGAAGCCGTGGCCACCCTGGAAGCTCAGTGTCG
GGCAAAGGAGGAGCGCCGGATTGACCTGGAGCTGAAGCTGGTGGCTGTGAAGGAGCGCTTGCAGCAGTCC
CTGGCAGGAGGGCCAGCCCTGGGGCTCTCCGTGAGCAGCAAGCCCAAGAGTGGGGAAACTGCAAATAAAC
CCCAGAACAGCGTTCCAGAGCAACCTCTCCCTGTCAACTGTGTTTCTGAGCTGAGGAAGAGGAGCCCATC
CATCGTAGCCTCCAACCAAGGAAGGGTGCTACAGAAAGCCAAGGAATGGGAAATGAAGAAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

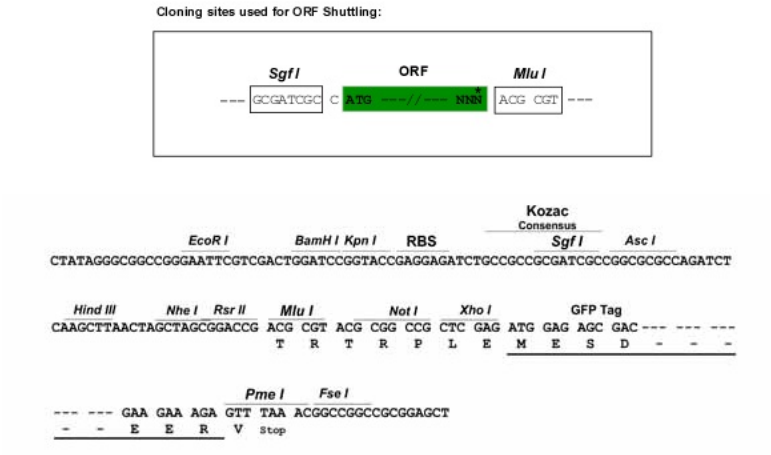
>RG218676 representing NM_152406
Red=Cloning site Green=Tags(s)

MDRGQVLEQLLPELTGLLSLLDHEYLSDTTLEKKMAVASILQSLQPLPAKEVSYLYVNTADLHSGPSFVE
SLFEEFDCDLSDLRDMPEDDGEPSKGASPELAKSPRLRNAADLPPPLPNKPPPEDYYEEALPLGPGKSPE
YISSHNGCSPSHSIVDGYYEDADSSYPATRVNGELKSSYNDSDAMSSSYESYDEEEEEGKSPQPRHQWPS
EEASMHLVRECRICAFLLRKKRFGQWAKQLTVIREDQLLCYKSSKDRQPHLRLALDTCSIIYVPKDSRHK
RHELRFTQGATEVLVLALQSREQAEEWLKVIREVSKPVGGAEGVEVPRSPVLLCKLDLDKRLSQEKQTSD
SDSVGVGDNCSTLGRRETCDHGKGKKSSLAELKGSMSRAAGRKITRIIGFSKKKTLADDLQTSSTEEEVP
CCGYLNVLVNQGWKERWCRLKCNTLYFHKDHMDLRTHVNAIALQGCEVAPGFGPRHPFAFRILRNRQEVA
ILEASCSEDMGRWLGLLLVEMGSRVTPEALHYDYVDVETLTSIVSAGRNSFLYARSCQNQWPEPRVYDDV
PYEKMQDEEPERPTGAQVKRHASSCSEKSHRVDPQVKVKRHASSANQYKYGKNRAEEDARRYLVEKEKLE
KEKETIRTELIALRQEKRELKEAIRSSPGAKLKALEEAVATLEAQCRAKEERRIDLELKLVAVKERLQQS
LAGGPALGLSVSSKPKSGETANKPQNSVPEQPLPVNCVSELRKRSPSIVASNQGRVLQKAKEWEMKKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152406

ORF Size: 2304 bp

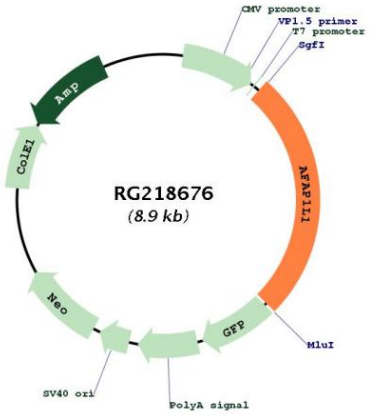
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
RefSeq:	NM_152406.4
RefSeq Size:	4153 bp
RefSeq ORF:	2307 bp
Locus ID:	134265
UniProt ID:	Q8TED9
Cytogenetics:	5q32
Gene Summary:	May be involved in podosome and invadosome formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218676