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Product datasheet for MG220212

Afap1l2 (NM_001177797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afap1l2 (NM_001177797) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Afap1l2
Synonyms:	AU041783; C86904; mKIAA1914
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG220212 representing NM_001177797
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCGCTACAAAGCCCTGGAGCAGCTGCTGACAGAGCTGGACGACTTCCTTAAGGTCCTCGACCAGG
AGAACCTGAGCAGTGCAGCCGTGCTGAAGAAGAGCGGCCTGTCAGAGCTCCTGCGGCTTTACACCAAGAG
CAGCAGTTCTGATGAGGAGTATATTTACATGAACAAAGTGTCAGTCAACGGGGAACAAAACTCAGCATCT
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TGGTGGAGCCTGCCGAGGAAGCCGCCCCTGCTGTCGATGCTAACAGTGGTAGTGAGCCAGACAGAGTCTA
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CATCTGTGCTCAAGAACAGGCCTCTTTCCGTCATGGTCACAGGCAAAGGCACTGTCCTGCAGAAAGCCAA
GGAATGGGAGAAGAAAGGAGCCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220212 representing NM_001177797
Red=Cloning site Green=Tags(s)

MERYKALEQLLTELDDFLKVLDQENLSSAAVLKKSGLSELLRLYTKSSSSDEEYIYMNKVSVNGEQNSAS
PDKVPEEQGPLTNGEPSQHSSAPQKSLPDLPPPKMIPERKQPTVPKIESPEGYYEEAEPFDRSINEDGEA
VSSSYESYDEDENSKGKAAPYQWPSPEASIELMRDARICAFLWRKKWLGQWAKQLCVIRDTRLLCYKSSK
DHSPQLDVNLRGSSVVHKEKQVRKKGHKLKITPMNADVIVLGLQSKDQAEQWLRVIQEVSGLPSEGASEG
NQYTPDAQRLNCQKPDIAEKYLSAAEYGITINGHPEIPETKDVKKKCSAGLKLSNLMNLGRKKSTSLEPP
ERSLETSSYLNVLVNSQWKSRWCFVRDSHLHFYQDRNRSKVAQQPLSLVGCDVLPDPSPDHLYSFRILHN
GEELAKLEAKSSEEMGHWLGLLLSESGSKTDPEELTYDYVDAERVSCIVSAAKTSLLLMQRKFSEPNTYI
DGLPSRDCQDDLYDDVEVSELIAVVEPAEEAAPAVDANSGSEPDRVYLDLTPVKSFLHSSSEAQAQASLP
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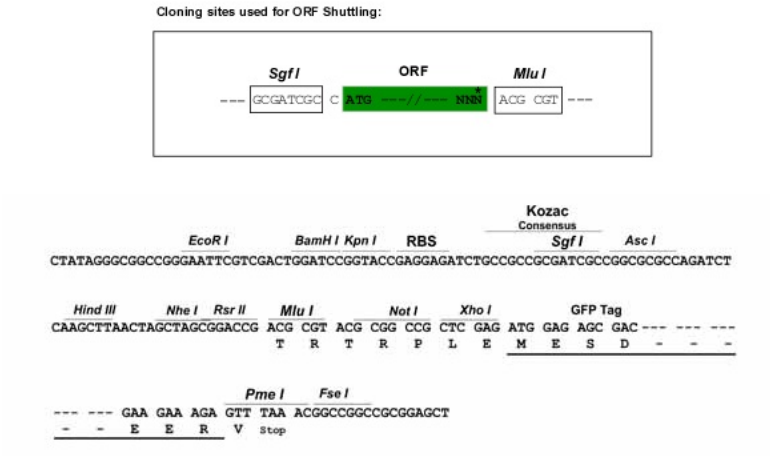
ANCPDTMASAPIAASPPVKEKLRVTSAEIKLGKNRTEAEVKRYTEEKERLERSKEEIRGHLAQLRREKRE
LKETLLRCTDKGVLAKLEQTLKKIDEECRMEESRRVDLELSIMEVKDNLKKAEAGPVTLGTTVDTTHLDN
MSPRPQPKAATPNPPPDSTPVNSASVLKNRPLSVMVTGKGTVLQKAKEWEKKGAS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001177797
ORF Size:	2475 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_001177797.1, NP_001171268.1

RefSeq Size: 3915 bp

RefSeq ORF: 2478 bp

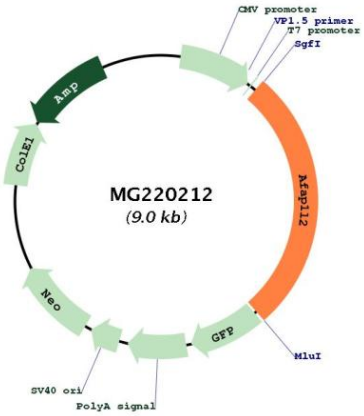
Locus ID: 226250

UniProt ID: Q5DTU0

Cytogenetics: 19 D2

Gene Summary: May play a role in a signaling cascade by enhancing the kinase activity of SRC. Contributes to SRC-regulated transcription activation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220212