

Product datasheet for **MR220202**

Afap1I2 (NM_146102) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afap1I2 (NM_146102) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Afap1I2
Synonyms:	AU041783; C86904; mKIAA1914
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220202 representing NM_146102
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAAGTGTCAAGTCAACGGGGAACAAAACACTCAGCATCTCCAGACAAAGTCCCGAGGAGCAGGGTCC
 CACTGACCAATGGGGAGCCAGCCAGCATTCTCAGCCCCTCAGAAGAGCCTTCCAGACCTCCCTCCGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR220202 representing NM_146102
 Red=Cloning site Green=Tags(s)

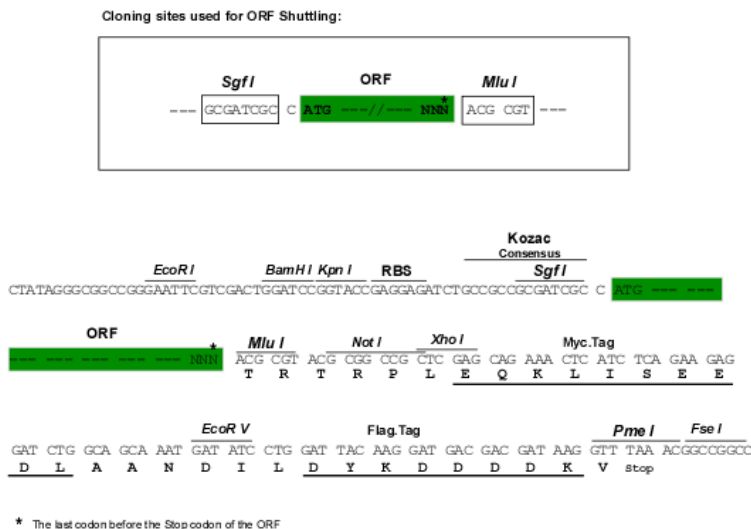
MNKVSVNGEQNSASPDKVPVEEQGPLTNGEPSQHSSAPQKSLPDLPPPMMIPERKQPTVPKIESPEGYEE
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 MNLGRKKSTSL EPPERSLETSSYLNVLVNSQWKSRCFVRD SHLHFYQDRNRSKVAQQPLSLVGCDVLPD
 PSPDHLYSFRILHNGEELAKLEAKSSEEMGHWLG LLLSESGSKTDP EELTYDYVDAERVSCIVSAAK TSL
 LLMQRKFSEPNTYIDGLPSRDCQDDL YDDVEVSELI AVVEPAEEAAPAVDANS GSEPDRVYLDLTPVKSF
 LHSSSEAQAQASLP AVPHQDDVAETLTVDPKPGT TPEEPHTES PGDPEVQQRQPEVQESSEPIEPTPRIT
 MVKLQAEQQRISFPANCPD TMASAPIAASPPVKEKLRV TSAEIKLGK NRTEAEVKRYTEEKERLERSKEE
 IRGHLAQLRREKRELK ETLRCTDKGV LAKLEQLTKK IDEECRMEESRRVDLELS IMEVKDNLK KAEAGP
 VTLGTTVDTHL DNMSRPQPKAATPNPPDSTP VNSASV LKNRPLSVMVTGKGTVLQKAKEWKKGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_146102

ORF Size: 2307 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_146102.2](#), [NP_666214.1](#)

RefSeq Size: 4021 bp

RefSeq ORF: 2310 bp

Locus ID: 226250

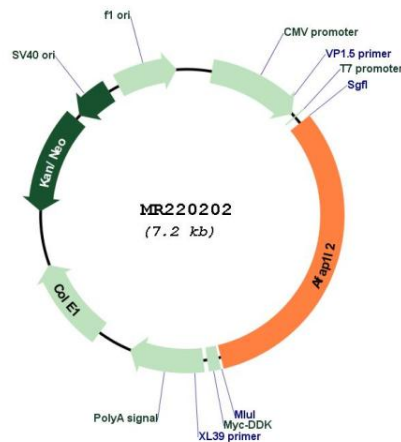
UniProt ID: [Q5DTU0](#)

Cytogenetics: 19 D2

MW: 86.2 kDa

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 MR220202