

## Product datasheet for **MR220212**

### **Afap1I2 (NM\_001177797) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Afap1I2 (NM_001177797) 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:**

>MR220212 representing NM\_001177797  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCGCTACAAAGCCCTGGAGCAGCTGCTGACAGAGCTGGACGACTTCCTTAAGGTCCTCGACCAGG  
 AGAACCTGAGCAGTGCAGCCGTGCTGAAGAAGAGCGGCCCTGTGAGAGCTCCTGCGGCTTTACACCAAGAG  
 CAGCAGTTCTGATGAGGAGTATATTTACATGAACAAAGTGTGAGTCAACGGGGAACAAAACCTCAGCATCT  
 CCAGACAAAGTCCCGAGGAGCAGGGTCCACTGACCAATGGGGAGCCAGCCAGCATTCTCAGCCCTC  
 AGAAGAGCCTTCCAGACCTCCCTCCGCCAAGATGATTCCAGAGAGGAAACAGCCACCCTTCAAAGAT  
 CGAGTCCCCTGAGGGCTACTATGAAGAGGCTGAGCCATTTGACAGATCCATCAATGAGGATGGAGAGGCT  
 GTGAGCAGCTCCTACGAGTCTACGATGAGGACGAGAACAGCAAAGGCAAGGCTGCCCTACCAGTGGC  
 CCTCGCCGAGGCCAGCATTGAGCTGATGCGTGATGCCCGCATCTGTGCCTTCTGTGGCGCAAGAAGTG  
 GCTAGGCCAGTGGCCAAGCAGCTCTGTGTGATCAGGGACACCAGGCTCTGTGTGCTACAAATCGTCCAAA  
 GACCACAGTCTCAGCTGGACGTGAACCTGCGGGGAGCAGCGTGTGCACAAGGAGAAGCAAGTCCGGA  
 AGAAAGGACACAAGCTCAAGATCACACCGATGAACGCTGACGTTATCGTGCTGGGCTGCAGAGCAAGGA  
 CCAAGCTGAGCAGTGGCTTCGGGTCAACAGGAGGTGAGTGGCCTGCCTTCTGAAGGAGCCTCAGAGGGA  
 AACCAGTACACACAGATGCCAGCGCCTCAACTGTGAGAAACCAGACATAGCTGAGAAGTACCTGTGAG  
 CAGCGGAGTACGGGATCACCATCAACGGCCACCCTGAGATCCCAGAGACCAAAGATGTCAAGAAGAAATG  
 CTCTGTGGCCTCAAGCTGAGCAACCTTATGAACCTGGCAGGAAGAAATCTACCTCGTGGAGCCCCCG  
 GAGAGATCCCTTGAGACATCCAGCTACCTGAATGTGCTGGTGAACAGTCAATGGAAGTCAAGTGGTGTCT  
 TCGTTAGAGACAGCCACCTGCATTCTACCAGGACCCGGAACCCGGAGCAAGGTGGCCAGCAGCCCTCAG  
 CCTGGTGGGCTGTGACGTGCTTCCAGATCCTAGCCCCGACCACCTGTATTCTTCCGTATTCTCCACAAC  
 GGCGAGGAGCTAGCCAAGCTTGGGCAAGTCTTCCAGAGGAGATGGGCCACTGGCTAGGCCCTCTGCTCT  
 CAGAGTGGGCTCCAAGACTGACCCGGAAGAGCTCACCTACGACTATGTGGATGCTGAAAGGGTTTCTG  
 TATTGTGAGTGGCCAAAACCTCTCTTACTGATGCAGAGAAAGTTCTCAGAGCCCAACATACATC  
 GATGGCCTGCCAGCCGGGATTGCCAGGACGATCTGTATGATGATGTGGAGGTATCAGAGCTGATAGCCG  
 TGGTGGAGCCTGCCGAGGAAGCCGCCCTGCTGTGATGCTAACAGTGGTAGTGGCCAGACAGAGTCTA  
 CCTGGATCTCACACCGGTCAAGTCTTCTGCACAGTAGCAGTGGGCTCAGGCGCAGGCCCTCTCTCCA  
 GCAGTGCCACATCAGGACGATGTAGCTGAGACCCTCACAGTAGACCCAAAGCCAGGCACCACCCAGAGG  
 AGCCCCACACAGAGTCTCCAGGAGACCCAGAGGTGCAGCAGAGGCAACCAGAGGTTCAAGAGTCTTCAGA  
 GCCTATCGAGCCACCCCGGAATCACCATGGTTAAGCTACAGGCCGAGCAGCAGAGAATCTCTTCCCA  
 GCCAACTGCCAGACACCATGGCTTCTGCCCCATCGCTGCCAGCCACCTGTGAAGGAGAAGCTGAGAG  
 TGACCAGTGCAGAGATCAAACCTGGGAAGAATCGGACAGAGGCGGAAGTAAAGCGGTACACGGAGGAGAA  
 GGAGAGGCTGGAGAGGAGCAAGGAGGAGATCCGAGGGCACCTGGCTCAGCTCCGAGAGAGAAGCGGGAG  
 CTCAAAGAGACCTGTTGAGATGCACAGATAAGGGGGTCTGGCCAAGCTGGAGCAGACACTGAAGAAA  
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 CAACCTGAAGAAGCAGAGGCTGGGCCCTGACCCTGGCACCACCTGTGGATACCACGCACCTGGACAAC  
 ATGAGCCCTCGTCCACAGCCAAAAGCTGCCACCCCAACCCCAACCCCAACCCCAACCCCAACCCCAACCC  
 CATCTGTGCTCAAGAACAGGCTCTTCCGTCATGGTACAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGG  
 GGAATGGGAGAAGAAAGGAGCCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220212 representing NM\_001177797

Red=Cloning site Green=Tags(s)

MERYKALEQLL TELDDFLKVL DQENLSSAAVLKKSGLSELLRLYTKSSSSDEEYIYMNKVSVNGEQNSAS  
PDKVP EEGPL TNGEPSQHSSAPQKSLPDLPPPKMIPERKOPTVPKIESPEGYYEEAEPFDRSINEDGEA  
VSSSYESYDEDENSKGKAAPYQWP SPEASIELMRDARICAF LWRKKWLQWAKQLCVIRDTRLLCYKSSK  
DHSPQLDVNLRGSSVVHKEKQVRKKGHKLIKITPMNADVIVLGLQSKDQAEQWLRVIQEVSGLPSEGASEG  
NQYTPDAQRLNQCQKPDIAEKYLSAAEYGITINGHPEIPETKDVKKKCSAGLKLSNLMNLGRKKSTSLEPP  
ERSLETSSYLNVLVNSQWKS RWC FVRD SHLHFYQDRNRSKVAQQPLSLVGCDVLPDPSPDHLYSFRILHN  
GEELAKLEAKSSEEMGHWLG LLLSESGSKTDPEELTYDYVDAERVSCIVSAAKTSLLLMQRKFSEPNTYI  
DGLPSRDCQDDL YDDVEVSELIAVVEPAEEAAPAVDANS GSEPD RVYLDLTPVKSFLHSSSEAQAQASLP  
AVPHQDDVAETLTVDPKPGTTPEEPHTESPGDPEVQQRQPEVQESSEPIEPTPRITMVKLQAEQQRISFP  
ANCPDTMASAPIAASPPVKEKLRVTSAEIKLGKNRTEAEVKRYTEEKERLERSKEEIRGHLAQLRREKRE  
LKETLLRCTDKGVLAKLEQTLKKIDEECRMEESRRVDLELSIMEVKDNLKKAEGPVTLGTTVDTHLDN  
MSPRPQPKAATPNPPPDPSTPVNSASVLKNRPLSMVMTGKGTVLQKAKWEKKGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9047\\_f08.zip](https://cdn.origene.com/chromatograms/mm9047_f08.zip)

Restriction Sites: Sgfl-Mlul

**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

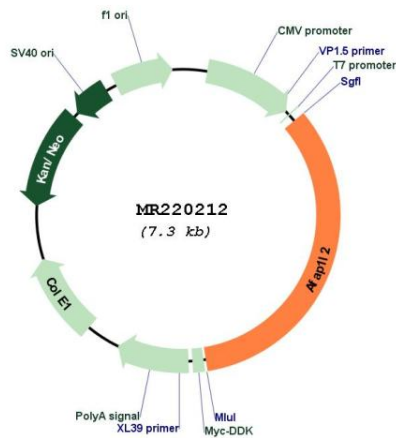
**UniProt ID:** [Q5DTU0](#)

**Cytogenetics:** 19 D2

**MW:** 92.6 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 MR220212