

Product datasheet for **MR210554**

Afap1I2 (NM_001177796) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afap1I2 (NM_001177796) 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:

>MR210554 representing NM_001177796
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAAGTGTCAAGTCAACGGGGAACAAAACCTCAGCATCTCCAGACAAAGTCCCGAGGAGCAGGGTCC
 CACTGACCAATGGGGAGCCAGCCAGCATTCTCAGCCCCTCAGAAGAGCCTTCCAGACCTCCCTCCGCC
 CAAGATGATTCCAGAGAGGAAACAGCCACCGTCCAAAGATCGAGTCCCCTGAGGGCTACTATGAAGAG
 GCTGAGCCATTTGACAGATCCATCAATGAGGATGGAGAGGCTGTGAGCAGCTCCTACGAGTCTACGATG
 AGGACGAGAACAGCAAAGGCAAGGCTGCCCCCTACCAGTGGCCCTCGCCCAGGGCCAGCATTGAGCTGAT
 GCGTGTAGCCGCATCTGTGCCTTCTGTGGCGCAAGAAGTGGCTAGGCCAGTGGCCAAGCAGCTCTGT
 GTGATCAGGGACACCAGGCTCTGTGCTACAAATCGTCCAAAGACCACAGTCTCAGCTGGACGTGAACC
 TCGGGGCGAGCAGCGTCTGCACAAGGAGAAGCAAGTGGGAAGAAAGGACACAAGCTCAAGATCACACC
 GATGAACGCTGACGTTATCGTGTGGCCCTGCAGAGCAAGGACCAAGCTGAGCAGTGGCTTCGGGTATC
 CAGGAGGTGAGTGGCCTGCCTTCTGAAGGAGCCTCAGAGGGAAACCAGTACACACCAGATGCCAGCGCC
 TCAACTGTGAGAAACCAGACATAGCTGAGAAGTACCTGTGAGCAGCGGAGTACGGGATCACCATCAACGG
 CCACCCTGAGATCCCAGAGACCAAAGATGTCAAGAAGAAATGCTCTGCTGGCCTCAAGCTGAGCAACCTT
 ATGAACCTGGGCAGGAAGAAATCTACCTCGCTGGAGCCCCGGAGAGATCCCTTGAGACATCCAGCTACC
 TGAATGTGCTGGTGAACAGTCAATGGAAGTCAAGCTGGTCTTTCGTTAGAGACAGCCACCTGCATTCTA
 CCAGGACCGGAACCGGAGCAAGTGGCCAGCAGCCCCCTCAGCCTGGTGGGCTGTGACGTGCTTCCAGAT
 CCTAGCCCCGACCACCTGTATTCCTTCCGTATTCTCCACAACGGCGAGGAGCTAGCCAAGCTTGAGGCCA
 AGTCTTCAGAGGAGATGGGCCACTGGCTAGGCCCTCTGCTCTCAGAGTGGGCTCCAAGCTGACCCGGA
 AGAGTCACTACGACTATGTGGATGCTGAAAGGGTTTCCCTGTATTGTGAGTGGCGCCAAAACCTCTCTC
 TTAAGTGTGAGAAAGTTCTCAGAGCCAAACATACATCGATGGCCTGCCAGCCGGGATTGCCAGG
 ACGATCTGTATGATGATGTGGAGGTATCAGAGCTGATAGCCGTGGTGGAGCCTGCCGAGGAAGCCGCCCC
 TGCTGTGATGCTAACAGTGGTGTGAGCCAGACAGAGTCTACCTGGATCTCACACCGGTCAAGTCTTTC
 CTGCACAGTAGCAGTGGGCTCAGGCGCAGGCCTCTCTCCAGCAGTGCCACATCAGGACGATGTAGCTG
 AGACCCTCACAGTAGACCAAAGCCAGGCACCACCCAGAGGAGCCCCACACAGAGTCTCCAGGAGACCC
 AGAGGTGCAGCAGAGGCAACCAGAGGTTCAAGAGTCTTCCAGAGCCTATCGAGCCACCCCGGAATCACC
 ATGGTTAAGCTACAGGCCGAGCAGCAGAGAATCTCCTTCCAGCCAACTGCCAGACCCATGGCTTCTG
 CCCCCATCGCTGCCAGCCACCTGTGAAGGAGAAGCTGAGAGTGACCAGTGCAGAGATCAAACCTGGGAA
 GAATCGGACAGAGGCGGAAGTAAAGCGGTACACGGAGGAGAAGGAGAGGCTGGAGAGGAGCAAGGAGGAG
 ATCCGAGGGCACCTGGCTCAGCTCCGACAGAGAAGCGGGAGCTCAAAGAGACCTGTTGAGATGCACAG
 ATAAGGGGGTCTGGCCAAGCTGGAGCAGACACTGAAGAAAATAGACGAGGAATGCCGGATGGAGGAGAG
 CAGGCGTGTGGACCTTGAGCTCAGCATCATGGAGGTGAAGGACAACCTGAAGAAGGCAGAGGCTGGGCC
 GTGACCTGGGCACCCTGTGGATACCACGCACCTGGACAACATGAGCCCTCGTCCACAGCCCAAAGCTG
 CCACCCCAACCCCAACAGACTCCACGCCAGTCAACTCTGCATCTGTGCTCAAGAACAGGCCTCTTTC
 CGTCATGGTCACAGGCAAAGGCACTGTCTGCAGAAAGCCAAGGAATGGGAGAAGAAAGGAGCCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR210554 representing NM_001177796
 Red=Cloning site Green=Tags(s)

MNKVSVNGEQNSASPDKVPEEQGPLTNGEPSQHSSAPQKSLPDLPPPKMIPERKQPTVPKIESPEGYYEE
 AEPFDRSINEDGEAVSSSYESYDEDENSKGAAPYQWPSPEASIELMRDARICAFLRWKKWLGQWAKQLC
 VIRDRLLCYKSSKDHSPQLDVNLRGSSVVHKEKQVRRKKGHLKIIPMNADVIVLGLQSKDQAEQWLRVI
 QEVSGLPSEGASEGNQYTPDAQRLNCQKPDIAEKYL SAAEYGITINGHPEIPETKDVKKKCSAGLKL SNL
 MNLGRKKSTSLPEPPERSLETSSYLNVLVNSQWKSRCFVRDShLHFYQDRNRSKVAQQPLSLVGCDVLPD
 PSPDHLYSFRILHNGEELAKLEAKSSEEMGHWGLLLLSESGSKTDPPEELTYDYVDAERVSCIVSAAKTSL
 LLMQRKFSEPNTYIDGLPSRDCQDDL YDDVEVSELI AVVEPAEEAAPVDANSSEPDRVYLDLTPVKSF
 LHSSSEAQAQASLPAVPHQDDVAETLTVDPKPGTTPEEPHTESPGDPEVQQRQPEVQESSEPIEPTPRIT
 MVKLQAEQQRISFPANCPDTMASAPIAASPPVKEKLRVTSAEIKLGKNRTEAEVKRYTEEKERLERSKEE
 IRGHLAQLRREKRELKETLLRCTDKGVLAKLEQTLKKIDEECRMESRRVDLELSIMEVKDNLKKAEAGP
 VTLGTTVDTHLDNMSRPQPKAATPNPPDPSTPVNSASVLKNRPLSVMVTGKGTVLQKAKWEKKGAS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001177796

ORF Size: 2529 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 Size: 3969 bp

RefSeq ORF: 2532 bp

Locus ID: 226250

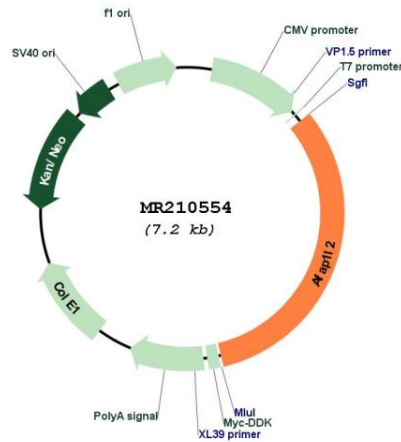
UniProt ID: [Q5DTU0](#)

Cytogenetics: 19 D2

MW: 94.6 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 MR210554