

Product datasheet for **RC203918**

AFAP1L2 (NM_032550) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AFAP1L2 (NM_032550) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AFAP1L2
Synonyms:	CTB-1144G6.4; KIAA1914; XB130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC203918 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

 ATGGAGCGGTACAAAGCCCTGGAACAGCTGCTGACAGAGTTGGATGACTTCCTCAAGATTCTTGACCAGG
AGAACCTGAGCAGCACAGCACTGGTGAAGAAGAGCTGCCTGGCGGAGCTCCTCCGGCTTTACACCAAAAG
CAGCAGCTCTGATGAGGAGTACATTTATGAACAAAGTGACCATCAACAAGCAACAGAATGCAGAGTCT
CAAGGCAAAGCGCCTGAGGAGCAGGGCCTGCTACCCAATGGGGAGCCAGCCAGCACTCCTCGGCCCTC
AGAAGAGCCTTCCAGACCTCCCGCCACCAAGATGATTCCAGAACGAAACAGCTTGCCATCCCAAGAC
GGAGTCTCCAGAGGGCTACTATGAAGAGGCTGAGCCATATGACACATCCCTCAATGAGGACGGAGAGGCT
GTGAGCAGCTCCTACGAGTCTACGATGAAGAGGACGGCAGCAAGGGCAAGTCGGCCCTTACCAGTGGC
CCTCGCCGAGGGCCGCATCGAGCTGATGCGTGACGCCCGCATCTGCGCCTTCTGTGGCGCAAGAAGTG
GCTGGGACAGTGGCCAAGCAGCTCTGTGTCATCAAGGACAACAGGCTTCTGTGCTACAAATCCTCCAAG
GACCACAGCCCTCAGCTGGACGTGAACCTACTGGGCAGCAGCGTCATTCAAGGAGAAGCAAGTCGGA
AGAAGGAGCACAAGCTGAAGATCACACCGATGAATGCCGATGTGATTGTGCTGGGCCTGCAGAGCAAGGA
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CTTCAGAGTATGGGAGCTCCGTGGATGGCCACCCTGAGGTCCAGAAACCAAGAGCTCAAGAAGAAATG
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GAGAGGTCCCTCGAGACATCCAGTTACCTGAACGTGCTGGTGAACAGCCAGTGAAGTCTCGTGGTGTCT
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CCTGGTGGGCTGCGAGGTGGTCCAGACCCAGCCCGACCCACCTCTACTCCTTCCGCATCCTCCACAAG
GGCGAGGAGCTGGCCAAGCTTGAGGCCAAGTCTTCCGAGGAAATGGGCCACTGGCTGGGTCTCCTGCTCT
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CGGTGGAGCCTACCGAGGAAGCCACCCCTGTTGCAGATGACCCAAATGAGAGAGAATCTGACCGGGTGT
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CCTGAGAAATCACACCGTCAAAATCCAGACGGAACAGCAGAGAATCTCCTTCCCACCGAGCTGCCCGGAT
GCCGTGGTGGCCACCCACCTGGTGCCAGCCACCTGTGAAGGACAGGTTGCGCGTGACCACTGCAGAGA
TCAAGCTTGGCAAGAATCGGACAGAAGCTGAGGTGAAGCGGTACACAGAGGAGAAGGAGAGGCTTAAAA
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CCTGCCTCTGCCCCAGACTGTACCCAGTCAACTCTGCAACCACACTCAAGAACAGGCCTCTCTCGGTG
TGTCACAGGCAAAGGCACTGTACTCCAGAAAGCCAAGGAATGGGAGAAGAAAGGAGCAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203918 protein sequence
 Red=Cloning site Green=Tags(s)

MERYKALEQLL TELDDFLKILDQENL SSTALVKKSCLAELLRLYTKSSSSDEEYIYMNKVTINKQNAES
 QGKAPEEQGLLPNGEPSQHSSAPQKSLPDLPPPKMIPERKQLAIPKTESPEGYYEEAEPYDTSLNEDGEA
 VSSSYESYDEEDGSKGKSAPYQWPSPEAGIELMRDARICAF LWRKKWLGQWAKQLCVIKDNRLLCYKSSK
 DHSPQLDVNLLGSSVIHKEKQVRKKEHKLKITPMNADVIVLGLQSKDQAEQWLRVIEVSGLPSEGASEG
 NQYTPDAQRFNCPDIAEKYLSASEYGSSVDGHPEVPETKDVKKKCSAGLKLSNLMNLGRKKSTSLEPV
 ERSLETSSYLNVLVNSQWKSRCVSRDNLHLYFYQDRNRSKVAQQPLSLVGCEVVPDPSPDHLYSFRILHK
 GEELAKLEAKSSEEMGHWLGLLLSESGSKTDPEEFTYDYVDADRVSCIVSAAKNSLLLMQRKFSEPNTYI
 DGLPSQDRQEELYDDVDLSEL TAAVEPTTEEATPVADDPNERESDRVYLDLTPVKSFLHGPSSAQQAASSP
 TLSCLDNATEALPADSGPGPTPDEPCIKCPENLGEQQLESLEPEDPSLRITTVKIQTEQQRISFPPSCPD
 AVVATPPGASPPVKDRLRVTSAEIKLGKNRTEAEVKRYTEEKERLEKKKEEIRGHLAQLRKEKRELKETL
 LKCTDKEVLASLEQKLKEIDEECRGEESRRVDLELSIMEVKDNLKKAEGPVTLTGTTVDTTHTLENPKAVT
 PASAPDCTPVNSATTLKNRPLSVVVTGKGTVLQKAKEWKKGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6695_h06.zip

Restriction Sites: Sgfi-MluI

Cloning Scheme:



ACCN:	NM_032550
ORF Size:	2442 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032550.1](#)

RefSeq Size: 4007 bp

RefSeq ORF: 2445 bp

Locus ID: 84632

UniProt ID: [Q8N4X5](#)

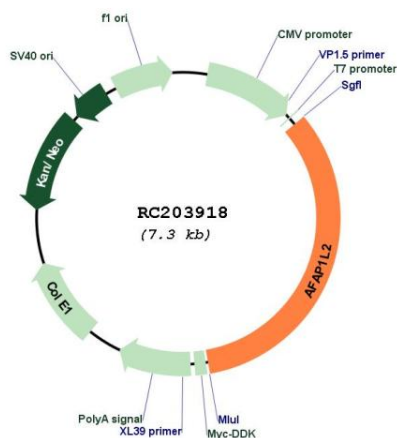
Cytogenetics: 10q25.3

Domains: PH

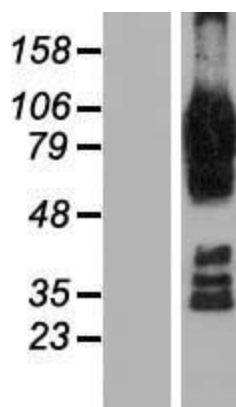
MW: 90.9 kDa

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

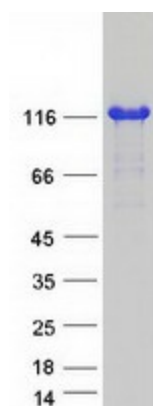
Product images:



Circular map for RC203918



Western blot validation of overexpression lysate (Cat# [LY410039]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203918 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified AFAP1L2 protein (Cat# [TP303918]). The protein was produced from HEK293T cells transfected with AFAP1L2 cDNA clone (Cat# RC203918) using MegaTran 2.0 (Cat# [TT210002]).