

## 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCGGTACAAAGCCCTGGAACAGCTGCTGACAGAGTTGGATGACTTCTCAAGATTCTTGACCAGG  
 AGAACCTGAGCAGCACAGCACTGGTGAAGAAGAGCTGCCTGGCGGAGCTCCTCCGGCTTTACACCAAAG  
 CAGCAGCTCTGATGAGGAGTACATTTATATGAACAAAGTGACCATCAACAAGCAACAGAATGCAGAGTCT  
 CAAGGCAAAGCGCCTGAGGAGCAGGGCCTGCTACCCAATGGGGAGCCAGCCAGCACTCCTCGGCCCTC  
 AGAAGAGCCTTCCAGACCTCCCGCCACCCAAGATGATTCCAGAACGAAACAGCTTGCCATCCCAAAGAC  
 GGAGTCTCCAGAGGGCTACTATGAAGAGGCTGAGCCATATGACACATCCCTCAATGAGGACGGAGAGGCT  
 GTGAGCAGCTCCTACGAGTCTACGATGAAGAGGACGGCAGCAAGGGCAAGTCGGCCCTTACCAGTGCC  
 CCTCGCCGGAGGGCCGCATCGAGCTGATGCGTGACGCCCGCATCTGCGCCTTCTGTGGCGCAAGAAGTG  
 GCTGGGACAGTGGCCAAGCAGCTCTGTGTCATCAAGGACAACAGGCTTCTGTGCTACAAATCCTCCAAG  
 GACCACAGCCCTCAGCTGGACGTGAACCTACTGGGCAGCAGCGTATTCAAGGAGAAGCAAGTCCGGA  
 AGAAGGAGCACAAGCTGAAGATCACACCGATGAATGCCGATGTGATTGTGCTGGGCTGCAGAGCAAGGA  
 CCAGGCTGAGCAGTGGCTCAGGGTCATCCAGGAAGTGAGCGGCCTGCCTCCGAAGGAGCATCTGAAGGA  
 AACCAGTACACCCCGGATGCCACGCGTTAACTGCCAGAAACCAGATATAGCTGAGAAGTACCTGTCCG  
 CTTAGAGTATGGGAGCTCCGTGGATGGCCACCCTGAGGTCCAGAAACCAAGAGCTCAAGAAGAAATG  
 TTCTGTGGCCTCAAACCTGAGCAACCTAATGAATCTGGGCAGGAAGAAATCCACCTCACTGGAGCCTGTG  
 GAGAGTCCCTCGAGACATCCAGTTACCTGAACGTGCTGGTGAACAGCCAGTGAAGTCTCGTGGTGTGCT  
 CTGTGAGGACAATCACCTGCATTCTACCAGGACCCGGAACCGGAGCAAGGTGGCCAGCAACCCCTCAG  
 CCTGGTGGGCTGCGAGGTGGTCCAGACCCAGCCCGACACCTCTACTCCTTCCGCATCCTCCACAAG  
 GGCGAGGAGCTGGCCAAGCTTGAGGCCAAGTCTCCGAGGAAATGGGCCACTGGCTGGGTCTCCTGCTCT  
 CTGAGTCAGGCTCCAAGACAGACCCAGAAGAGTTCACCTACGACTATGTGGATGCCGATAGGGTCTCCTG  
 TATTGTGAGTGGCCAAAACTCTCTTACTGATGCAGAGAAAGTTCTCAGAGCCCAACACTTACATC  
 GATGGCCTGCCTAGCCAGGACCCAGGAGGAGCTGTATGACGACGTGGACCTGTGAGAGCTCACAGCTG  
 CGGTGGAGCCTACCGAGGAAGCCACCCCTGTTGCAGATGACCCAAATGAGAGAGAATCTGACCGGGTGA  
 CCTGGACCTCACACCTGTCAAGTCTTTTCTGCATGGCCCCAGCAGTGCACAGGCCAGGCCCTCCTCCCCG  
 ACGTTGTCTGCCTGGACAATGCAACTGAGGCCCTCCCGCAGACTCAGGCCAGGTCCACCCAGATG  
 AGCCCTGCATAAAGTGTCCAGAGAACCTGGGAGAACAGCAGCTGGAGAGTTTGGAGCCAGAGGATCCTTC  
 CCTGAGAAATCACACCGTCAAAATCCAGACGGAACAGCAGAGAATCTCCTTCCCACCGAGCTGCCCGGAT  
 GCCGTGGTGGCCACCCACCTGGTGCCAGCCACCTGTGAAGGACAGGTTGCGCGTGACCAGTGCAGAGA  
 TCAAGCTTGGCAAGAATCGGACAGAAGCTGAGGTGAAGCGGTACACAGAGGAGAAGGAGAGGCTTAAAA  
 GAAGAAGGAAGAATCCGGGGCACCTGGCTCAGCTCCGAAAGAGAAACGGGAGCTAAAGGAAACCCTA  
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 GGGCGAGGAGAGCAGGCGGTGACCTGGAGCTCAGCATCATGGAGGTGAAGGACAACCTGAAGAAGGC  
 TGAGGCAGGGCCTGTGACGTTAGGCACCACTGGACACCACCCACCTGGAGAATCCCAAAGCTGTGACA  
 CCTGCCTCTGCCAGACTGTACCCAGTCAACTCTGCAACCACACTCAAGAACAGGCCTCTCTCGGTGCG  
 TGATCACAGGCAAGGCACTGTACTCCAGAAAGCCAAGGAATGGGAGAAGAAAGGAGCAAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

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

MERYKALEQLL TELDDFLKILDQENL SSTALVKKSCLAELLRLYTKSSSSDEEYIYMNKVTINKQNAES  
 QGKAPEEQGLLPNGEPSQHSSAPQKSLPDLPPPMMIPERKQLAIPKTESPEGYYEEAEPYDTSLNEDGEA  
 VSSSYESYDEEDGSKGKSAPYQWPSPEAGIELMRDARICAFWRKKWLGQWAKQLCVIKDNRLLCYKSSK  
 DHSPQLDVNLLGSSVIHKEKQVRKKEHKLKIPMNADVIVLGLQSKDQAEQWLRVIQEVSGLPSEGASEG  
 NQYTPDAQRFNQCQKPDIAEKYLSASEYGSVDGHPEVPETKDVKKKCSAGLKL SNLMNLGRKKSTSLPEV  
 ERSLETSSYLVNVLVNSQWKSRCVSRDNLHFLFYQDRNRSKVAQQPLSLVGCEVVPDPSPDHLYSFRILHK  
 GEELAKLEAKSSEEMGHWLG LLLSESGSKTDPEEFYDYVDADRVSCIVSAAKNSLLMQRFSEPNYI  
 DGLPSQDRQEEL YDDVDLSEL TAAVEPTEEATPVADDPNERESDRVYLDLTPVKSFLHGPSSAQQAASSP  
 T L SCLDNATEALPADSGPGPTPDEPCIKCPENLGEQQLESLEPEDPSLRITTVKIQTEQQRISFPPSCPD  
 AVVATPPGASPPVKDRLRVTSAEIKLGKNRTEAEVKRYTEEKERLEKKKEEIRGHLAQLRKEKRELKETL  
 LKCTDKEVLASLEQKLKEIDEECRGEESRRVDLELSIMEVKDNLKKAAGPVTLGTTVDTHLENPKAVT  
 PASAPDCTPVNSATTLKNRPLSVVVTGKGTVLQKAKWEKKGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6695\\_h06.zip](https://cdn.origene.com/chromatograms/mk6695_h06.zip)

**Restriction Sites:** Sgfl-Mlul

**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.

**RefSeq:** [NM\\_032550.1](#)

**RefSeq Size:** 4007 bp

**RefSeq ORF:** 2445 bp

**Locus ID:** 84632

**UniProt ID:** [Q8N4X5](#)

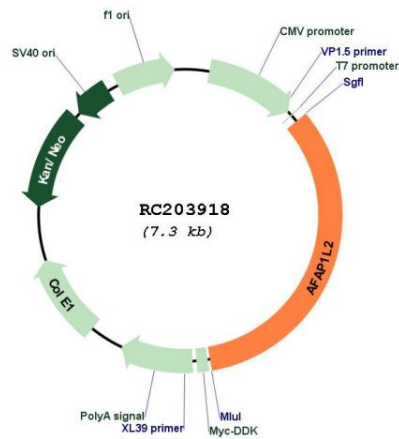
**Cytogenetics:** 10q25.3

**Domains:** PH

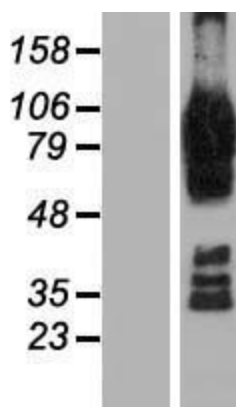
**MW:** 90.9 kDa

**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]

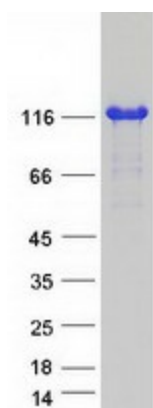
### Product images:



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]).