

Product datasheet for **RG207936**

APLF (NM_173545) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APLF (NM_173545) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APLF
Synonyms:	APFL; C2orf13; PALF; Xip1; ZCCHH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207936 representing NM_173545
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGGGGCTTCGAGCTGCAGCCGCGGGACGCGCGTCCCGGGTGGCCCTGGCGCCCGGGAGACGG
 TGATCGGCCGCGGCCGCTGCTGGGAATAACAGACAAGAGAGTATCCAGAAGACATGCCATTCTTGAGGT
 GGCAGGTGGTCAGCTGCGAATCAAACCGATACACACAAATCCATGTTTTTACCAGTCTTCAGAGAAGAGT
 CAGCTCTTACCATTGAAGCCAAATCTATGGTGCTATTTGAATCCTGGAGACAGCTTTTCTTTGTTAGTTG
 ACAAATACATTTTCCGATTCTCTCTATACCCTCTGAAGTGAAATGCAATGTACCTTAAGAAACAGTCA
 AGTGCTTGATGAAGATAATATATTGAATGAAACACCAAAATCCCCGTGATTAATTTACCTCATGAGACT
 ACTGGTGCCTCACAACCTGGAAGGAAGCACAGAAATAGCCAAGACCAGATGACTCCACAAATAGTGTGT
 CTTTCCTAGGTGAAAATAGAGACTGCAATAAGCAGCAGCCAATCCTTGCCGAGAGGAAAAGAATCCTTCC
 AACTTGGATGTTAGCAGAACATTTAAGTGATCAAACCTTTCAGTACCAGCAATCAGTGGAGGTAATGTA
 ATCCAGGGAAGTGAAAAGAAGAAATCTGCAAAGATAAATCCAGCTAAACACAACCCAGCAAGGAAGAA
 GGCAATTAATTTTCATCAGGAAGTTCAGAAAATACATCAGCAGAACAAGACACAGGAGAAGAGTGCAAAAA
 TACTGATCAGGAAGAGTCTACCATTTTCATCCAAGGAAATGCCACAATCATTTTCTGCAATCACATTAAGT
 AACACAGAGATGAATAATATTAAGACTAATGCACAGAGAAAACAACTTCCAATAGAGGAAGTGGTAAAG
 TTTCTAAACATAAAATTTGCCACTAAAAGAACACCACATAAAGAAGATGAGGCAATGAGCTGTTCTGAAA
 TTGTTTCGAGTGCCAGGGCGACTCACTTCAGGATGAGTCTCAAGGGTCTCATTCTGAGTCCAGCTTAAT
 CCCTCCAATCCTGAACTTTGCATGCAAAGGCAACTGATTCAGTCTACAAGGTTCTGAAGGAAACAAGG
 TCAAGAGGACATCCTGCATGTATGGGGCAAATGCTATAGGAAGAATCCTGTTTCAATTTTCAACATTTT
 CCATCCTGGTGATAGTGATTATGGAGGTGTACAAATCGTGGGCCAAGATGAGACTGATGACCGGCCTGAA
 TGCCCTATGGACCATCCTGTTATAGGAAGAATCCCCAGCACAAGATAGAATATAGACATAATACGCTTC
 CAGTGAGAAATGTTTTAGATGAAGATAATGATAATGTTGGGCAACCCAATGAGTATGACCTGAACGACAG
 CTTTCTAGATGATGAGGAAGAAGACTATGAGCCAACAGATGAAGATTCTGACTGGGAACCAGGAAAGGAA
 GATGAAGAGAAGGAGATGTGGAAGAGCTTTTGAAGAAGCAAAAAGGTTTATGAAAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207936 representing NM_173545
 Red=Cloning site Green=Tags(s)

MSGGFELQPRDGGPRVALAPGETVIGRPLLGITDKRVSRRHAILEVAGGQLRIKPIHTNPFYQSSEKS
 QLLPLKPNLWCYLNPGDSFSLLDVKYIFRILSIPSEVEMQCTLRNSQVLDENILNETPKSPVINLPHET
 TGASQLEGSTEIAKTQMTPTNSVSLFGENRDCNKQQPILAEKRKILPTWMLAEHLSDQNLVPAISGGNV
 IQGSGKEEICKDKSQLNTTQQGRRQLISSGSENTSAEQDTGEECKNTDQEEESTISSKEMPQSFSAITLS
 NTEMNNIKTNAQRNKLPTEELGKVSXHKIATKRTPHKEDEAMSCSENCSSAQGDSLQDESQGSHESSSN
 PSNPETLHAKATDSVLQGSEGKVKRTSCMYGANCYRKNPVHFQHFVSHPGSDYGGVQIVGQDETDDRPE
 CPYGPSCYRKNPQHKIEYRHNTLPVRNVLDEDNDVGPNEYDLNDSFLDDEEEDYEPTDESDWEPGKE
 DEEKEDVEELLKEAKRFMKRK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173545

ORF Size: 1533 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_173545.3](#)

RefSeq Size: 3864 bp

RefSeq ORF: 1536 bp

Locus ID: 200558

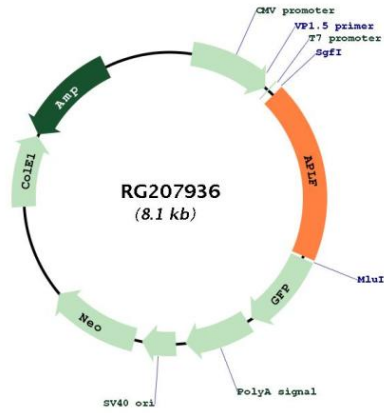
UniProt ID: [Q8IW19](#)

Cytogenetics: 2p13.3

Gene Summary:

C2ORF13 is a component of the cellular response to chromosomal DNA single- and double-strand breaks (Iles et al., 2007 [PubMed 17353262]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG207936