

Product datasheet for **RR216813**

Aplf (NM_001173382) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aplf (NM_001173382) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aplf
Synonyms:	RGD1565557
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR216813 representing NM_001173382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTTCGGAGTCTTTCTGCATCCTCTGGACGGCGGTCCCGCGTGCCCGTGGGGCCGGGCAGACTG
 TGATAGGCCGCGGCCGCTGCTGGGAATAACAGATAAAAGAGTATCCAGAAGGCATGCCATTCTTGAAGT
 GGTTGATAGTCAGCTCCGAATCAAACCAGTCCACAAGAACCATGTTTCCACCAGTCTCGGAGAAGAGC
 CAGCTCTCGCAAATGGAGACCCAGTGTGGAGCCGGTTCATCCTGGGGACAGCTTTTCTTGTACTTG
 ACAAGTACGCTTTCCGTGTTTCTCTACACAATCTGAAGTGAAGTGGAGAGTACTCTGAGAAACAGTCA
 GATGCTCGATGAAGATGATATTTGAATGAGATGCGGAAGTCCCCTGTGGTTAACTTACCTGATAAGGCC
 GCTGGTGCCTCACAGCTGCAAGGAAGCCCCGAAGTAACGAAGACCAAGTGTCCCCCATAGATCCTATGT
 CCTCTTCAGGTGACTGCCGAGCTTTCAGTGAGCACCAGCCAGATCCTGCCACAGGAAAAGAAATCCTCCC
 AGCATGGATGTTAGCAGGAAGTCTAAGTATCAAACCTTCCACACCTGCTGAGGTGGAGGAGATAAG
 GATGCCATCCAGAGGGATGGGAAAGAAGGAACCCATGAAGATAAAACCCAGTAAATACATCGTGGCGTG
 GGAGAAAGCGGTTTATCCACCAGGAAATTCAAAAGTGTGTACCAAAAACAAGACCCCTGGGAAGAAATG
 GAGAAGTCTGACCAAGAAGGACTGGCTGTTTACCCGAGGATGTGCCAGAATCATCGTCTTCAATCACA
 GTAAGTGACCCGGATATGGATATTTGGAAGGCAATAAAGTGAAGTACACAAATTCAGCAGAGGAACTAG
 GTGAGGCCCTAAACATAAAGCTGTACCAAAACCAACCACGAATGACAAGGACAAGACTATGAGCCATCC
 CAAGTGTGCGTGCAGGTGTCCAAAGTAAGACATTTCTTGAGAAATCCCAAGGATGCCATCCCGAGTCCAGC
 TCTGCTCCCTCCAGTCTGGTGTTCGCACACAGACACCGCCGATTGAGTGTAGGCTGTTTACAGAGGAAA
 GCAAGTCCGGAGGAGCTCTGCATGTATGGGGCAACTGCTACAGGAAGAATCCGCTCCATTTTCAACA
 CTTACAGCCACCCTGGTGATAGTGACTATGGAGTGTACCTGTACAGACGAAGGCGTACTGGTGACAGG
 CCTGAGTGTCCCTATGGGCATCTTGTACAGGAAGAATCCCAAGCAGGATGGAATATAGGCACAGTG
 CACTTCCGGCCAGGGTGTGTTGATGAAGATGACGATGATGTTGGGCAACCGAGTACAGTGACAAGGA
 TGAGGAAGACTATGCGCCGACAGATGAAGATTCTGACTGGCAACCAGGAAAGGATGATGAGGAGAAGGAA
 GATGTGGATGAGCTTTTGAAGAAGCAAAGCGTTCATGAGAAGGAAAACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216813 representing NM_001173382
 Red=Cloning site Green=Tags(s)

MSSEFFLHPLDGGPRVPVGPQTVIGRPLLGITDKRVSRRHAILEVVDSQLRIKPVHKNPCFHHQSSEKS
 QLSPMETHVWSRLHPGDSFSLLLDKYAFRVSSTQSEVEVESTLRNSQMLDEDDILNEMRKSPPVNLDPKA
 AGASQLQGSPEVTKTKPPIDPMSSSGDCRAFSEHQDPAPHRKRILPAWMLAGSLSDQNLSTPAEGGGDK
 DAIQRDQKEGTHEDKTPVNTSWRGRKRFIPPGNSKSVSPKQDPGKKWRRSDQEGLAVSPEDVPESSSIT
 VSDPDMDIVKANKLSDTISAEELGEAPKHKAVTKPTTNDKDKTMSHPKCRAGVQSKTFLEKSQGGCHPESS
 SAPSSPGASHTDTADSVLGCSEESKVRRTSCMYGANCYRKNPLHFQHFHPGDSYDYGAVPVTDEGVTGDR
 PECPYGASCYRKNPQHRMEYRHSALPARVAVDEDDDDVGQPSDSKDEEDYAPTDESDWQPGKDDDEEKE
 DVDELLKEAKRFMRRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001173382

ORF Size: 1521 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

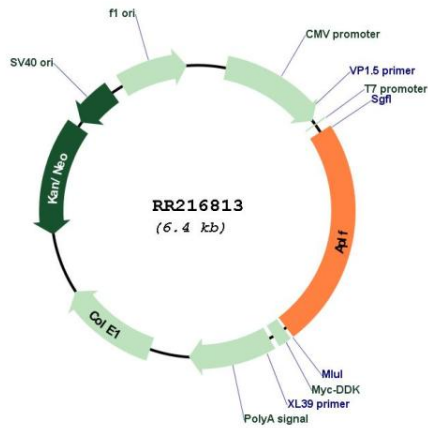
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001173382.1](#), [NP_001166853.1](#)

RefSeq Size: 2572 bp
 RefSeq ORF: 1524 bp
 Locus ID: 500247
 Cytogenetics: 4q34
 MW: 55.9 kDa

Product images:



Circular map for RR216813