

Product datasheet for **RN216813**

Aplf (NM_001173382) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN216813 representing NM_001173382
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCGGAGTCTTTCTGCATCCTCTGGACGGCGGTCCCGCGTGCCCGTGGGGCCGGGCAGACTG
 TGATAGGCCGCGGCCGCTGCTGGGAATAACAGATAAAAGAGTATCCAGAAGGCATGCCATTCTTGAAGT
 GATTGATAGTCAGCTCCGAATCAAACCAGTCCACAAGAACCATGTTTCCACCAGTCTCGGAGAAGAGC
 CAGCTCTCGCAAATGGAGACCCAGTGTGGAGCCGTTGCATCCTGGGACAGCTTTTCTTGTACTTGT
 ACAAGTACGCTTTCCGTGTTTCTCTACACAATCTGAAGTGAAGTGGAGAGTACTCTGAGAAACAGTCA
 GATGCTCGATGAAGATGATATTTGAATGAGATGCGGAAGTCCCCTGTGGTTAACTTACCTGATAAGGCC
 GCTGGTGCCTCACAGCTGCAAGGAAGCCCCGAAGTAACGAAGACCAAGTGTCCCCCATAGATCCTATGT
 CCTCTTCAGGTGACTGCCGAGCTTTCAGTGAGCACCAGCCAGATCCTGCCACAGGAAAAGAAATCCTCCC
 AGCATGGATGTTAGCAGGAAGTCTAAGTGTCAAACCTTCCACACCTGCTGAGGGTGGAGGAGATAAG
 GATGCCATCCAGAGGGATGGGAAAGAAGGAACCCATGAAGATAAAACCCAGTAAATACATCGTGGCGTG
 GGAGAAAGCGGTTTATCCACCAGGAAATTCAAAAAGTGTGTACCAAAAACAAGACCCCTGGGAAGAAATG
 GAGAAGGTCTGACCAAGAAGGACTGGCTGTTTACCCGAGGATGTGCCAGAATCATCGTCTTCAATCACA
 GTAAGTGACCCGGATATGGATATTTGTAAGGCAATAAAGTGAAGTACACAAATTTTCCAGCAGAGGAAGT
 GTGAGGCCCTAAACATAAAGCTGTACCAAAACCAACCACGAATGACAAGGACAAGACTATGAGCCATCC
 CAAGTGTGCGTGCAGGTGTCCAAAGTAAGACATTTCTTGAGAAATCCCAAGGATGCCATCCCGAGTCCAGC
 TCTGCTCCCTCCAGTCTGGTGCTTCGCACACAGACACCCGCGATTTCAGTGTAGGCTGTTTCCAGAGGAAA
 GCAAGGTCCGGAGGACGTCCTGCATGTATGGGGCCAAGTGTACAGGAAGAATCCGCTCCATTTTCAACA
 CTTCCAGCCACCTGGTGATAGTGACTATGGAGCTGTACCTGTACAGACGAAGGCGTACTGGTGACAGG
 CCTGAGTGTCCCTATGGGCATCTTGTACAGGAAGAATCCCCAGCACAGGATGGAATATAGGCACAGTG
 CACTTCCGGCCAGGGTGTGTTGATGAAGATGACGATGATGTTGGGCAACCGAGTACAGTGACAAGGA
 TGAGGAAGACTATGCGCCGACAGATGAAGATTCTGACTGGCAACCGAAAGGATGATGAGGAGAAGGAA
 GATGTGGATGAGCTTTTGAAGAAGCAAAGCGGTTTCATGAGAAGGAAAACG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3106_d07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001173382

Insert Size: 1524 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.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001173382.1</u> , <u>NP_001166853.1</u>
RefSeq Size:	2572 bp
RefSeq ORF:	1524 bp
Locus ID:	500247
Cytogenetics:	4q34