

Product datasheet for **RC224431**

Aftiphilin (AFTPH) (NM_203437) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aftiphilin (AFTPH) (NM_203437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aftiphilin
Synonyms:	Nbla10388
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224431 representing NM_203437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCAGACATCATTCAATGTACTCTTCATCCCCACCACCATTAGACAATGGAGCAGAGGATGATG
 ATGATGATGAATTTGGGGAATTTGGTGGTTTTTCAGAAGTTAGCCCTTCTGGTGTAGGGTTTGTGATTT
 CGATACACCAGATTATACTCGTCCCAAGGAAGAGTTTGTACCTTCAAACCATTTTATGCCAATTCATGAA
 TTCTCAGAAAATGTAGATAGCCTTACAAGCTTTAAGTCCATTAATAATGGTAATGATAAGGACATCACTG
 CTGAACTTTCTGCTCCTGTGAAAGGACAGTCTGATGTTTTACTTTCTACCACCAGCAAAGAAATAATTTT
 ATCTGAAATGTTAGTACTTCCATTGATGGCATGGAAAGACCAGGAAATTTAAATAAAGTAGTGGAGCAG
 AGACAGAATGTTGGAACACTTCAAAGTTTCTCTCCAGGAGATTTAGAACTAATATGAATGTTGTTTCATC
 AAAACAAGCAGTTAGAGAGCTGCAATGGTGAAGCCCTCTTGTCTGGAGATTCTAACAAATGGGTTTGC
 AGTGTGGAAACTGTAATCCTCAGGGAACAGATGATCTGGACAATGTAGCTGATTCAAAGGACCGAAG
 CCTCTTAGCACTCATAGCACTGAGTATAATTTAGACTCTGTACCTAGTCCCTGCTGAGGAATTTGCAGATT
 TTGCCACATTTTCCAAAAGGAAAGGATACAATTAGAAGAAATAGAATGTGCAGTTTTAAATGATAGAGA
 AGCACTAACCATTCGGGAAAACAATAAAATTAATAGAGTCAATGAACTGAATTTCTGTAAAAGAAGTGGCT
 TTGGGTAGAAGCTTGATAACAAAGGAGACACTGATGGAGAGGATCAGGTTTGTGTTTCAGAAAATAAGCA
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 GTCAGGTGTTCAAGGCTTGGAGTTTGGTAGACTCAGCTGATAATTCAGAAGCCATTAGGAGAGAA
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 CATTGACCCACAGAAGAAAATGATTTGGATGATTTCTTTAAGTGTAAAAAATGGTGATAGTAGTAATGAC
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 GCAGTTGCTAGTGGCCATTTACAGGAATCAGCCACTTCAGTTCAGACAGCTTTATTAACCCGCTGGAGC
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 CCTCAAGCCTCAAAGTACTGATGCATTTGCAAGACTCATGTCTACAGTAGAGAAGACAAGCACATCTAC
 CAGGAAACCGAAAAGAGAAGAGCACCTAAGTGAAGAAGCTATCAAGGTGATCGCTGGCCTTCTGACTTA
 ACATTCATGCATGCCAAGGTGTTGATGTTCCAGCCACGTTAACACCTTCCACAAGCTCTCAAGAAAAAG
 CAGACGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224431 representing NM_203437
 Red=Cloning site Green=Tags(s)

MEPDIIRMYS SSPPLDNGAEDDDDEFGEFGGFSEVSPSGVGFVDFDTPDYTRPKEEFVPSNHFMPIHE
 FSENVDSLTSFKSIKNGNDKIDITAEALSAPVKGQSDVLLSTTSKEIISSEMLATSIDGMERPGNLNKVVEQ
 RQNVGTLESFSPGDFRTNMNVVHQNKQLESCNGEKPPCLEILTNGFAVLETVNPQGTDDLDNVADSKGRK
 PLSTHSTEYNLDSVPSAEFAADFATFSKKERIQLEEIECAVLNDREALTIRENNKINRVNELNSVKEVA
 LGRSLDNKGD TDGEDQVCVSEISIVTNRGFSVEKQGLPTLQQDEF LQSGVQSKAWSLVDSADNSEAIRRE
 QCKTEEKLDLLTSKCAHLCMDSVKTSDDEVGSPKEESRKFTNFQSPNIDPTEENDLDDSLSVKNGDSSND
 FVTCNDINEDDFGDFGDFGSASGSTPPFVTGTQDSMSDATFEESSEHFPHFSEPGDDFGEFGDINAVSCQ
 EETILTKSDLKQTSNLSSEECQLARKSSGTGTEPVAKLKNQEGEIGHFDSVPNIQDDCNGFQSDDDFAD
 FSSAGPSQVVDWNAFEDEQKDCSWAAGDQQATESHHRKEAWQSHRTDENIDTPGTPKTHSVPSATSKG
 AVASGHLQESATSVQTALLNRLERIFEACFPSILVPDAEEEVTS LKHLLTSTLP IKTREALPESGELL
 VTELQDIHDAHGLRYQWGGSHSNKLLSSLGIDTRNILFTGNKKQPVIVP MYAAGLGMLEPTKEPLKPL
 SAAEKIASIGQATMSPDMNTCTSDQFQESLPPVQFDWSSSGLTNPLDASGGSTLLNLDFFGPVDDSSSS
 SSTTIPGVDP ELYELTTSKLEISTSSLKVTDAFARLMSTVEKTSTSTRKPKREEHLS EEAIKVIAGLPDL
 TFMHAKVLMFPATLTPSTSSQEKADG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

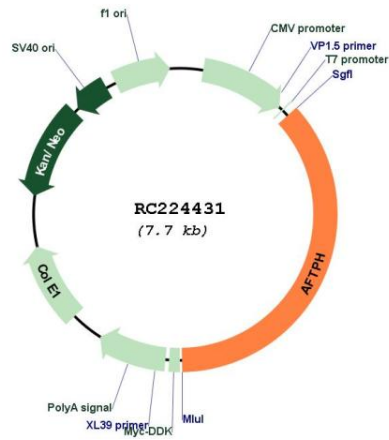


ACCN: NM_203437

ORF Size: 2808 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<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:	NM_203437.3 , NP_982261.2
RefSeq Size:	4135 bp
RefSeq ORF:	2811 bp
Locus ID:	54812
UniProt ID:	Q6ULP2
Cytogenetics:	2p14
MW:	102.1 kDa
Gene Summary:	May play a role in membrane trafficking.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224431