

Product datasheet for **RG206359**

Aftiphilin (AFTPH) (NM_017657) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aftiphilin (AFTPH) (NM_017657) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aftiphilin
Synonyms:	Nbla10388
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206359 representing NM_017657
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCAGACATCATTGCAATGTACTCTTCATCCCCACCACCATTAGACAATGGAGCAGAGGATGATG
 ATGATGATGAATTTGGGGAATTTGGTGGTTTTTCAGAAGTTAGCCCTTCTGGTGTAGGGTTTGTGATTT
 CGATACACCAGATTATACTCGTCCCAAGGAAGAGTTTGTACCTCAAACCATTTTATGCCAATTCATGAA
 TTCTCAGAAAATGTAGATAGCCTTACAAGCTTTAAGTCCATTAATAATGGTAATGATAAGGACATCACTG
 CTGAACTTTCTGCTCCTGTGAAAGGACAGTCTGATGTTTTACTTTCTACCACCAGCAAAGAAATAATTTT
 ATCTGAAATGTTAGTACTTCCATTGATGGCATGGAAAGACCAGGAAATTTAAATAAAGTGTGGAGCAG
 AGACAGAATGTTGGAACACTTCAAAGTTTCTCTCCAGGAGATTTAGAACTAATATGAATGTTGTTTCATC
 AAAACAAGCAGTTAGAGAGCTGCAATGGTGAAGCCCTCTTGTCTGGAGATTCTAACAAATGGGTTTGC
 AGTGTGGAAACTGTAATCCTCAGGGAACAGATGATCTGGACAATGTAGCTGATTCAAAGGACCGAAG
 CCTCTTAGCACTCATAGCACTGAGTATAATTTAGACTCTGTACCTAGTCCCTGCTGAGGAATTTGCAGATT
 TTGCCACATTTTCCAAAAGGAAAGGATACAATTAGAAGAAATAGAATGTGCAGTTTTAAATGATAGAGA
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 CATTGACCCACAGAAGAAAATGATTTGGATGATTTCTTTAAGTGTAAAAATGGTGATAGTAGTAATGAC
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 CAAGAAAATCTAGTGAACAGGCACTGAACCTGTTGCAAACTTAAAAATGGGCAAGAAGGTGAGATTGG
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 TTCAGTTCAGCTGGTCTAGCCAAGTTGTAGATTGGAATGCTTTTGGAGTGAACAAAAAGATAGTTGTT
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 TGCCAAGTGTGATGTTCCAGCCACGTTAACACCTTCCACAAGCTCTCAAGAAAAAGCAGACGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206359 representing NM_017657
Red=Cloning site Green=Tags(s)

MEPDIIRMYSSSPPLDNGAEDDDDEFGEFGGFSEVSPSGVGFVDFDTPDYTRPKEEFVPSNHFMPIHE
 FSENVDSLTSFKSIKNGNDKIDITAEALSAPVKGQSDVLLSTTSKEIISSEMLATSIDGMERPGNLNKVVEQ
 RQNVGTLESFSPGDFRTNMNVVHQNKQLESCNGEKPPCLEILTNGFAVLETVNPQGTDDLDNVADSKGRK
 PLSTHSTEYNLDSVPSAEFFADFATFSKKERIQLEEIECAVLNDREALTIRENNKINRVNELNSVKEVA
 LGRSLDNKGDTDGEDQVCVSEISIVTNRGFSVEKQGLPTLQQDEFLLQSGVQSKAWSLVDSADNSEAIRRE
 QCKTEEKLDLLTSKCAHLCDMSVKTSDDEVGSPKEESRKFTNFQSPNIDPTEENDLDDSLVKNKGDSSND
 FVTCNDINEDDFGDFGDFGSASGTPPFVTGTQDSMSDATFEESSEHFPHFSEPGDDFGEFGDINAVSCQ
 EETILTKSDLKQTSNDLSEECQLARKSSGTGTEPVAKLKNQEGEIGHFDSVPNIQDDCNGFQDSDDFAD
 FSSAGSPQVVDWNAFEDEQKDCSWAAGDQQATESHHRKEAWQSHRTDENIDTPGTPKTHSVPSATSKG
 AVASGHLQESATSVQATALLNRLERIFEACFPSILVPDAEEEVTSCLKHLETTSTLPKIKTREALPESGELL
 VVTELDQIHDHGLRYQWGGSHSNKLLSSLGIDTRNILFTGNKKQPVI VPMYAAGLGMLEPTKEPLKPL
 SAAEKIASIGQATMSPDMNTCTSDQFQESLPPVQFDWSSSGLTNPLDGVPEL YELTTSKLEISTSSLK
 VTDAFARLMSTVEKTSTSTRPKKREEHLSSEAIVVAGLPDLTFMHAKVLMFPAATLTPSTSSQEKADG

TRTRPLE - GFP Tag - V

Restriction Sites:

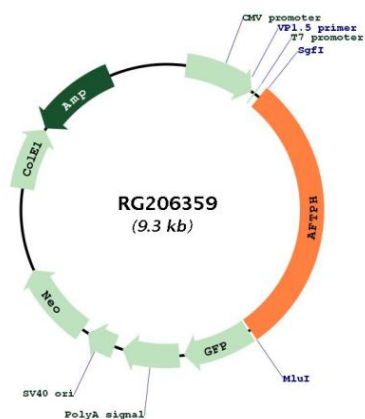
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_017657
ORF Size:	2727 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:	<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_017657.2
RefSeq Size:	4028 bp
RefSeq ORF:	2730 bp
Locus ID:	54812
UniProt ID:	Q6ULP2
Cytogenetics:	2p14
Gene Summary:	May play a role in membrane trafficking.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206359