

Product datasheet for **MC229004**

Aftph (NM_001252503) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aftph (NM_001252503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aftph
Synonyms:	9130023F12Rik; AU015099; AU016543; AU018432; AU019184; AU044244; RP23-452C23.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC229004 representing NM_001252503
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCCAGACATCATTGCAATGTACTCTTCTCCCCCACCTCTAGACAACGGAGCAGAGGATGATG
 AGGAGGATGAGTTGGGGAGTTGGTGGGTTTTCGGAAGTCAGCCCTTCTGGTGTAGGGTTGTTGATTT
 TGACACACCAGATTATACTCGTCCCAAGGAAGACTTTGTACCTCAAACCACTTTATGCCAATTCATGAA
 TATTCAGAAGATGATAGTACCTTACAAGCTTTAAGTCTGTTTCAAGTGGTAATGATAAGGATATCACTG
 CTGAACCTTTACTCCTGTGAAAAGTCAATCTGATGTTGTACTTTCTACCACCAGCAAAGAAATGATTCC
 ATCTAAAACCTTTGGATCCTTCCATCGATGGTATGGAAAGCCTGGAAGACTTAGATAAAGTGTGGTGCAG
 GGACCAAGCACTGGGCAACTCAGAAGTTTCTCCTGGAGATTTAGAACTGATAAGAACATTGTTCAACC
 AAACCAAGCAGTTAGAGAGCTGCAACGGTAAAAGCCTCCTGTCTGAAATTCTAACAAACGGGTTTGC
 AGGTTTGGAACTGTAATCCTCAGGGAACAGATGACCTGGACAATGTGGCAGATTCAAAGGGATCGAAG
 CCTCTTAACACTTGTGGCACCGAGTGCATTTTAGAGTCTGCAGCTAGTCATGCTACGGAATTTGCAGATT
 TTTCTACATTTTCCCAAACAGAAAGGACACAACCTGGAAGAAATAGAATGTCCAGTTTTAAATGATGGTGA
 TACACTGACCAATTCAGGGAAACAGCAAAGGCCCCAGAGTCAAGGAACTAAACTGTGTGAAAGAAGTGACT
 TTGGATGGAAGCTTTGAGGATACGGGAAACACTGAAAGAGAACATCAGGTCTGCGTCTCAGAAATCCATG
 CCGTAGCTGACAGAGGGCTCAGTGTGAAAAACAAGACCTTCAAACACTGCAACAGGATGAGTTTCTAAA
 TTCAAGGATTCAGTCTGAGGCTTGGAGCTTGGTAGACTCAAGTAAAAATCAGAAGCCATTACAAAGGAG
 CGGTGTAATAATGAAAAAATGACTTATTTGCCTCAAGTGTGCTGACTTATCCATGGATCTGTAAAA
 CTTCAGACGTTAATGAAATTGGTTCTTCCAAAGAAGAAAAACAGAAAGCTGACTAATCCCAAAGCCGAGA
 CCTGATCCACAGGACAAAATGCTTTGGATGATTCGCTGCAAGCATGAAAAATGGTGACAGTGGGAAT
 GGCTTTGTGACTTGTATGATACCAATGAGGATGATTTTGGTACTTTGGTACAGCCAATGGCACCACTC
 CACCTTTGTACTAGTACTCAAGATTCATGAGTGACGTCACTTTTGAAGACTCCTCAGAGCATTCTTCT
 ACATCTTAGTGAACCAGGTGATGATTTTGGAGAATTTGAGGATACAAATGCTGTTTCTTGTCAAGAGGAA
 ATGAGATTTACTGAGTCAGACCTAAGACAGACTTCTGATGGCTTATCAGAGGAATGCCATTGGCAGGAG
 AGTCTGGTGGAAAAGACAGTAAACCTGACTCAAACCTGAAAAATGGTCAAGACAGTGAATTTGGAGATT
 TGATTCTGTGCCAAATACTCAAGGTAGTGCTTTTCAAGACTCGGATGATTTTGCAGACTCAGTTCAGCA
 GGTCTAGCCAAGCTGTAGATTGGAATGCTTTTGGAGTGAACAGAAAGATGGTTGTTCTTGGGCTGCCT
 TTGGGGATCAGCAGGAGACTGAGTCTCATCTAAAGGAAGTCTGGCAGTCACAGAGGACAGATGAAAC
 TATGGGCACTCTGGGAACCCCTAAGATGCACAGTGTCTTTCAGCAGCTTCCAAAGGAGCAGTTGCTAGT
 GGCCATTTGCAGGAACCAGGCATTCAGTTCAGACAGCTTTACTCAACCGGTTGGAGAGAATTTTCGAAG
 CCTGTTTTCCGTCTGTGTTTGTCCCTGATGTGGAAGAGGAGGTTTCTTCCCTGAAGCACTTGCTGGAGAC
 ACACAGCTCGCCAGCAAAAAACAAGAGAGGCCTTAGCTGACCGTGGTGAGTTGAGGGGTGTATGGACCGAA
 CTGCAGGACATCCATGATGCACATGGTTTGGCGTACCAGTGGGGTGGCTCACATAGCAACAAGAAGCTTT
 TGTGCTCCTTGGGAATAGACACTCGAAACATTCTATTCACTGGCAATAAGAAGCAACCTGTTATAGTGCC
 CATGTATGCAGCAGGATTGGGAATGTTAGAGCCCAAGGAACCATTAACCCTATCTGCTGCAGAA
 AAAATTGCTTCTATTGGTCAGACAACCGTTATGACACCAGAAATAAACAGTGTACATCTGATCCATTCC
 AGGAGTCTCTCCACCTGTCCAGTTTACTGGAGTAGCAGTGGCCTTACTAACCTTTAGATGGAACCA
 AAAAGAGAGGAGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252503
Insert Size: 2469 bp

OTI Disclaimer:	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_001252503.2, NP_001239432.1</u>
RefSeq Size:	3860 bp
RefSeq ORF:	2469 bp
Locus ID:	216549
UniProt ID:	<u>Q80WT5</u>
Cytogenetics:	11 A3.1
Gene Summary:	<p>May play a role in membrane trafficking.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, which results in a frame-shift, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>