

Product datasheet for **MC226628**

Aktip (NM_001302337) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aktip (NM_001302337) Mouse Untagged Clone
Tag: Tag Free
Symbol: Aktip
Synonyms: AL023020; Fif; Ft; Ft1; Fts
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226628 representing NM_001302337
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACCCTTTGTGGAGCATGTCTGCAGGCTCTGTGCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG
CAGGAGATGTGAAAACAGTCTCCACGAAGTGCACCCAAAAACAGCTACCTTCTATTCCAAAAATGC
TCTACCCATAGCGAAGCCTACGTCTCTGCCCCAGCAGCGCAGTCAACAAACGGCACCCATGCCTTTAT
GGACCTTCTACCTGGAATATTCGCTTCTTGCAAAATTTACTCTGGTAGTGAAGCAGAAGCTGCCAGGAG
TCTACGTACAGCCATCTTACCGCTCTGCATTAGTGTGGTTTGGAGTAATTCATACGGCACGGGCTGTA
TCAGGATGGCGTATTCAAATTTACGGTGTATTCCTGATAACTATCCTGATGGCGACTGTCCGCGCTTG
CTGTTTGATATCCCGTCTTTCACCCACTAGTTGATCCCACCTCGGGTGAGCTGGATGTGAAAAGAGCGT
TCGCAAAGTGGAGGCGGAACCATAACCATATATGGCAGGTGTTAATGTATGCGAGGAGAGTCTTCTACAA
GATCGACACGACGAGCCCCCTGAACCCAGAGGCCCGCAGTGCTGTATGAAAAGACATTCACTTTTTAAA
AGTAAAGTGGTCGACAGTGTAAAGTGTGACTGCCGCTTTTTGACCAGCCCAAGATAGAAGACCCCT
ACGCCATTAGCTTTTCTCCGTGGAACCTTCTGTACATGATGAGGCCAGAGAAAAGATGCTGACTCAGAA
GACATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302337
Insert Size: 777 bp



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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_001302337.1</u> , <u>NP_001289266.1</u>
RefSeq Size:	1825 bp
RefSeq ORF:	777 bp
Locus ID:	14339
UniProt ID:	<u>Q64362</u>
Cytogenetics:	8 44.25 cM
Gene Summary:	<p>Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Regulates apoptosis by enhancing phosphorylation and activation of AKT1. Increases release of TNFSF6 via the AKT1/GSK3B/NFATC1 signaling cascade (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and uses an alternate 3'-terminal exon compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>