

## Product datasheet for **MC226841**

### Aktip (NM\_001302268) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aktip (NM\_001302268) 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:** >MC226841 representing NM\_001302268  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACCCTTTGTGGAGCATGTCTGCAGGCTCTGTGCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG  
CAGGAGATGTGAAAACAGTCTCCACGAAGTGCACCCAAAAACAGCTACCTTCTATTTCCAAAAATGC  
TCTACCCATAGCGAAGCCTACGTCTCTGCCCCAGCAGCGCAGTCAACAAACGGCACCCATGCCTTTAT  
GGACCTTCTACCTGGAATATTCGCTTCTTGCGAATTTACTCTGGTAGTGAAGCAGAAGCTGCCAGGAG  
TCTACGTACAGCCATTTACCGCTCTGCATTAGTGTGGTTTGGAGTAATTTTCATACGGCACGGGCTGTA  
TCAGGATGGCGTATTCAAATTTACGGTGTATTTCTGATAACTATCCTGATGGCGACTGTCCGCGCTTG  
CTGTTTGATATTTCCGCTTTTACCCACTAGTTGATCCCACCTCGGGTGAGCTGGATGTGAAAAGAGCGT  
TCGCAAAGTGGAGGCGGAACCATAACCATATATGGCAGGTGTTAATGTATGCGAGGAGAGTCTTCTACAA  
GATCGACACGACGAGCCCTGAACCCAGAGGCCGAGTGTGTATGAAAAGACATTCACTTTTTTAA  
AGTAAAGTGGTCGACAGTGTAAAGTGTGACTGCCGCTTTTTGACCAGCCCAAGATAGAAGACCCCT  
ACGCCATTAGCTTTTCTCCGTGGAACCTTCTGTACATGATGAGGCCAGAGAAAAGATGCTGACTCAGAA  
GAAGCCTGATGAACAGCAATAAAAGTTCATGTTGCTGGCCTGTATGGGTAAGCCCTGGCTCAGTA  
CAACCTTTCAGTAAAGAAGAGAAAACAGTAGCAACCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001302268  
**Insert Size:** 879 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001302268.1</a></u> , <u><a href="#">NP_001289197.1</a></u>
<b>RefSeq Size:</b>	2155 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	14339
<b>UniProt ID:</b>	<u><a href="#">Q64362</a></u>
<b>Cytogenetics:</b>	8 44.25 cM
<b>Gene Summary:</b>	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]