

Product datasheet for **MC226840**

Aktip (NM_001302267) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aktip (NM_001302267) Mouse Untagged Clone
Tag: Tag Free
Symbol: Aktip
Synonyms: AL023020; Fif; Ft; Ft1; Fts
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226840 representing NM_001302267
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCCTTTGTGGAGCATGTCTGCAGGCTCTGTGCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG
CAGGAGATGTGAAAACAGTCCCTCCACGAAGTGCACCCAAAAACAGCTACCTTCTATTCACAAAAATGC
TCTACCCATAGCGAAGCCTACGTCTCTGCCCCAGCAGCGCAGTCAACAAACGGCACCCATGCCTTTAT
GGACCTTCTACCTGGAATATTCGCTTCTGCAGAATTTACTCTGGTAGTGAAGCAGAAGCTGCCAGGAG
TCTACGTACAGCCATCTTACCGCTCTGCATTAGTGTGGTTTGGAGTAATATTCATACGGCACGGGCTGTA
TCAGGATGGCGTATTCAAATTTACGGTGTATTCCTGATAACTATCCTGATGGCGACTGTCCGCGCTTG
CTGTTTGATATTCCTGCTTTTCAACCCACTAGTTGATCCCACCTCGGGTGAGCTGGATGTGAAAAGAGCGT
TCGCAAAGTGGAGGCGGAACCATAAACCATATATGGCAGGTGTTAATGTATGCGAGGAGAGTCTTCTACAA
GATCGACACGACGAGCCCCCTGAACCCAGAGGCCCGCAGTGTGTATGAAAAGACATTCAACTTTTTAAA
AGTAAAGTGGTCGACAGTGTAAAGTGTACTGCCCGCTTTTTGACCAGCCAAAGATAGAAGACCCCT
ACGCCATTAGCTTTTCTCCGTGGAACCCCTCTGTACATGATGAGGCCAGAGAAAAGATGCTGACTCAGAA
GAAGCCTGATGAACAGCACAATAAAAGTGTTCATGTTGCTGGCCTGTATGGGTAAGCCCTGGCTCAGTA
CAACCTTTCAGTAAAGAAGAGAAAACAGTAGCAACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302267
Insert Size: 879 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_001302267.1</u> , <u>NP_001289196.1</u>
RefSeq Size:	2240 bp
RefSeq ORF:	879 bp
Locus ID:	14339
UniProt ID:	<u>Q64362</u>
Cytogenetics:	8 44.25 cM
Gene Summary:	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]