

## Product datasheet for **MG204014**

### Aktip (NM\_010241) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aktip (NM\_010241) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Aktip  
**Synonyms:** AL023020; Fif; Ft; Ft1; Fts  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG204014 representing NM\_010241  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCCTTTGTGGAGCATGTCTGCAGGCTCTGTGCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG  
CAGGAGATGTGAAAACAGTCTCCACGAAGTGCACCCAAAAACAGCTACCTTCTATCCCAAAATGC  
TCTACCCATAGCGAAGCCTACATCTCTGCCCCAGCAGCGCAGTCAACAAACGGCACCCATGCCTTTAT  
GGACCTTCTACCTGGAATATTCGCTTCTGCAGAATTTACTCTGGTAGTGAAGCAGAAGCTGCCAGGAG  
TCTACGTACAGCCATCTTACCGCTCTGCATTAGTGTGGTTTGGAGTAATTCATACGGCACGGGCTGTA  
TCAGGATGGCGTATTCAAGTTTACGGTGTATTCCTGATAACTATCCTGATGGCGACTGTCCGCGCTTG  
CTGTTTGATATTCCTGCTTTTCAACCCACTAGTTGATCCCACCTCGGGTGAGCTGGATGTGAAAAGAGCGT  
TCGCAAAGTGGAGGCGGAACCATAAACCATATATGGCAGGTGTTAATGTATGCGAGGAGAGTCTTCTACAA  
GATCGACACGACGAGCCCCGTAACCCAGAGGCCCGCAGTGTGTATGAAAAGACATTCAACTTTTTAA  
AGTAAAGTGGTCGACAGTGTAAAGTGTGACTGCCCGCTTTTTGACCAGCCCAAGATAGAAGACCCCT  
ACGCCATTAGCTTTTCTCCGTGGAACCCCTCTGTACATGATGAGGCCAGAGAAAAGATGCTGACTCAGAA  
GAAGCCTGATGAACAGCACAATAAAAGTGTTCATGTTGCTGGCCTGTCATGGGTAAGCCTGGCTCAGTA  
CAACCTTCAGTAAAGAAGAGAAAACAGTAGCAACC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Reconstitution Method:**

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\\_010241.2](#)

**RefSeq Size:** 2173 bp

**RefSeq ORF:** 879 bp

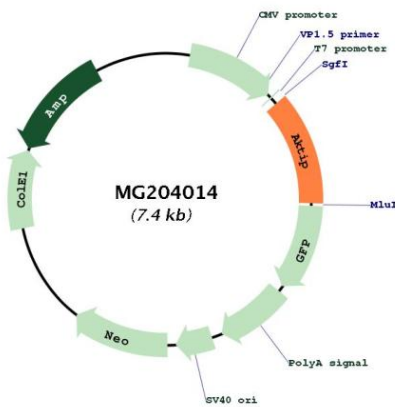
**Locus ID:** 14339

**UniProt ID:** [Q64362](#)

**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]

### Product images:



Circular map for MG204014