

Product datasheet for **MR228839**

Aktip (NM_001302337) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aktip (NM_001302337) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aktip
Synonyms: AL023020; Fif; Ft; Ft1; Fts
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228839 representing NM_001302337
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCTTTGTGGAGCATGTCTGCAGGCTCTGTGCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG
CAGGAGATGTGAAAACAGTCTCCACGAAGTGCACCCAAAAACAGCTACCTTCTATCCCAAAAATGC
TCTACCCATAGCGAAGCCTACGTCTCTGCCCCAGCAGCGCAGTCAACAAACGGCACCCATGCCTTTAT
GGACCTTCTACCTGGAATATTCGCTTCTTGCAGAATTTACTCTGGTAGTGAAGCAGAAGCTGCCAGGAG
TCTACGTACAGCCATCTTACCGCTCTGCATTAGTGTGGTTTGGAGTAATTCATACGGCACGGGCTGTA
TCAGGATGGCGTATTCAAATTTACGGTGTATTCCTGATAACTATCCTGATGGCGACTGTCCGCGCTTG
CTGTTTGATATCCCGTCTTTCACCCACTAGTTGATCCCACCTCGGGTGAGCTGGATGTGAAAAGAGCGT
TCGCAAAGTGGAGGCGGAACCATAACCATATATGGCAGGTGTTAATGTATGCGAGGAGAGTCTTCTACAA
GATCGACACGACGAGCCCCCTGAACCCAGAGGCCCGCAGTGTGTATGAAAAGACATTCACTTTTTAAA
AGTAAAGTGGTCGACAGTGTAAAGTGTGTACTGCCGCTTTTTGACCAGCCCAAGATAGAAGACCCCT
ACGCATTAGCTTTTCTCCGTGGAACCTTCTGTACATGATGAGGCCAGAGAAAAGATGCTGACTCAGAA
GACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228839 representing NM_001302337
 Red=Cloning site Green=Tags(s)

MNPLWSMSAGSVRKRAEGEEKTLAGDVKTSPPRSAPKKQLPSIPKNALPIAKPTSPAPAAQSTNGTHASY
 GPFYLEYSLLAFTLVVKQKLPGVYVQPSYRSALVWFGVIFIRHGLYQDGVFKFTVYIPDNYPDGDPCRL
 LFDIPVFHPLVDPTSGELDVKRAFAKWRRNHNHIWQVLMYARRVFKIDTTSPLNPEAAVLYEKDIQLFK
 SKVVDSVKVCTARLFDQPKIEDPYAISFSPWNPSVHDEAREKMLTQKT

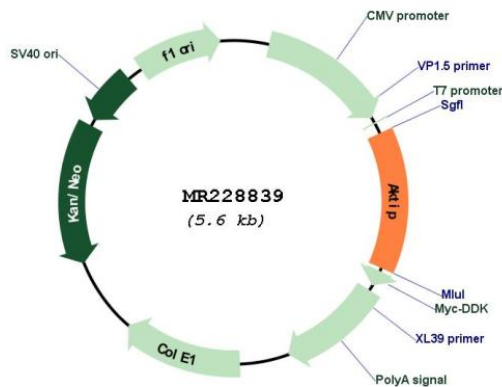
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302337
ORF Size: 774 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001302337.1 , NP_001289266.1
RefSeq Size:	1825 bp
RefSeq ORF:	777 bp
Locus ID:	14339
UniProt ID:	Q64362
Cytogenetics:	8 44.25 cM
MW:	29.7 kDa
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]