

## Product datasheet for **RN201165**

### Aktip (NM\_001011926) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aktip (NM\_001011926) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aktip  
**Synonyms:** Fts  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN201165 representing NM\_001011926  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCCTTTGTGGAGCATGTCTTCGGGCTCCGTTTCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG  
CAGGGGATGTGAAAACAGTCCACGAAGTGCACCTAAAAAGCAGCTACCTTCTATCCCAAAAATGC  
TCTGCCATATCGAAGCCTACATCACCTGCCCCAGCAGCGCAGTCAACAAATGGCACCCATGCCTCTTAC  
GGACCCCTTCTACCTGGAATATCACTCCTTGCAAGTTCACAATGGTAGTGAAGCAGAAGCTGCCAGGAG  
TCTACGTACAGCCATCTTACCGCTCTGCGTTAGTGTGGTTTGGAGTAATTCATACGGCACGGGCTGTA  
CCAGGATGGCGTGTCAAGTTTACGGTGTATATCCCTGATAACTACCCAGACGGCGACTGTCCACGCTTG  
CTGTTTGATATCCCGTCTTTCACCCGCTAGTTGATCCACCTCGGGTGAGCTGGATGTGAAAAGAGCAT  
TTGCAAAGTGGAGGCGGAACCATAACCATATATGGCAGGTGTTAATGTATGCAAGGAGAGTCTTCTACAA  
GATCGACACAACAAGCCCCCTGAACCCAGAGGCCGAGTACTGTATGAAAAGACATTAGCTTTTTAA  
AGTAAGGTGGTTGACAGTGTAAAGTCTGCACTGCCGCTGTTTGACCAGCCGAAGATAGAGGACCCCT  
ATGCCATTAGCTTTTCTCATGGAACCCCTTCTGTACAGATGAGGCCAGAGAAAAGATGCTGACTCAGAA  
AAAGCCTGACGAACAGCAATAAAAGTTCATGTTGCTGGCCTGTATGGGTAAGCCCTGGCTCAGTG  
CAACCTTTCAGTAAAGAAGAGAAAACAGTAGCAACCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001011926  
**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>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_001011926.1</a></u> , <u><a href="#">NP_001011926.1</a></u>
<b>RefSeq Size:</b>	1731 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	291906
<b>UniProt ID:</b>	<u><a href="#">Q5FVH4</a></u>
<b>Cytogenetics:</b>	19p11
<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]