

Product datasheet for **SC112492**

FTS (AKTIP) (NM_022476) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FTS (AKTIP) (NM_022476) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKTIP
Synonyms:	FT1; FTS
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022476, the custom clone sequence may differ by one or more nucleotides

```
ATGAACCCTTTCTGGAGCATGTCTACAAGCTCTGTACGCAAACGATCTGAAGGTGAAGAGAAGACATTAA
CAGGGGACGTGAAAACAGTCTCCACGAACTGCACCAAAGAAACAGCTGCCTTCTATTCACCAAAAATGC
TTTGCCATAAATAAGCCTACATCTCTGCCCCAGCAGCACAGTCAACAAATGGCAGCATGCGTCCTAT
GGACCCTTCTACCTGGAATACTCTCTTCTTGCAGAATTTACCTTGGTTGTGAAGCAGAAGCTACCAGGCG
TCTATGTGCAGCCATCTTATCGCTCTGCATTAATGTGGTTTGGAGTAATATTCATACGGCATGGACTTTA
CCAAGATGGCGTATTTAAGTTTACAGTTTACATCCCTGATAACTATCCAGATGGTACTGTCCACGCTTG
GTGTTTCGATATTCCTGTCTTTCACCCGCTAGTTGATCCCACCTCAGGTGAGCTGGATGTGAAGAGAGCAT
TTGCAAAATGGAGGCGGAACCATAATCATATTTGGCAGGTATTAATGTATGCAAGGAGAGTTTTCTACAA
GATTGATACAGCAAGCCCCTGAACCCAGAGGCTGCAGTACTGTATGAAAAAGATATTCAGCTTTTTAAA
AGTAAAGTTGTTGACAGTGTTAAGGTGTGCACTGCTCGTTTGTGGACCAACCTAAAATAGAAGACCCT
ATGCAATTAGCTTTTCTCCATGGAATCCTTCTGTACATGATGAAGCCAGAGAAAAGATGCTGACTCAGAA
AAAGCCTGAAGAACAGCACATAAAAAGTGTTCATGTTGCTGGCCTGTATGGGTAAGCCTGGCTCAGTA
CAGCCTTTCAGTAAAGAAGAGAAAACAGTGCGGACTTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022476 unedited ATTTTGTAAACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGGTCGGGCCGCGG CGGCGCTTGGCAGCCAGGAGCTCTGCATTGAAGGCACTGGGGTAAAGTGAATGCCGAAGA CAGAAGATTTGGATGATACACCACTGACTTTCTTTGTTTGAATACACGTTATGAACCCT TTCTGGAGCATGTCTACAAGCTCTGTACGCAAACGATCTGAAGGTGAAGAGAAGACATTA ACAGGGGACGTGAAAACCACTCCACGAACTGCACCAAGAAACAGCTGCCTTCTATT CCCAAAAATGCTTTGCCATAACTAAGCCTACATCTCTGCCCCAGCAGCACAGTCAACA AATGGCACGCATGCGTCTATGGACCCTTCTACCTGGAATACTCTTCTTGCAGAATTT ACCTTGTTGTGAAGCAGAAGCTACCAGCGTCTATGTGCAGCCATCTTATCGCTCTGCA TTAATGTGGTTTGGAGTAATATTCATACGGCATGGACTTTACCAAGATGGCGTATTTAAG TTTACAGTTTACATCCCTGATAACTATCCAGATGGTGACTGTCCACGCTTGGTGTTCGAT ATTCTGTCTTTCACCCGCTAGTTGATCCACCTCAGGTGAGCTGGATGTGAAGAGAGCA TTTGCAAAATGGAGGCGGAACCATAATCATATTTGGCAGGTATTAATGTATGCAAGGAGA AGTTTCTACAAGATTGATACAGCAAGCCCCCTGAACCCAGAGCTGCAGTACTGTATGAAA AAGAATTCAGCTTTNTAAAGNTAAGTTGTTGACAGTGNTAAGGTGTGCACTGCTCGNTTG TTTGACCAACCTANNATAGAGACCCCCTATGCATTAGCTTTNCTNCATGGAATCCTCTG TACATGATGAAGCCAGAGAAAAATGCTGACTCAGAANAAGAGCCCTGAGACAGCCATAA AGTGTTCATGTTGCTGCCTGTCATGGTAAAGCTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022476 unedited TCTATGGACCGCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGAATTT AGGTTTTTATTAGTACCATAGTACCATTATACAAATTAGAAAATGTTATTTAACAGCTG AATTATCTATACATATCTTTATTAATCACTATTGTTCCAGCAGTTTTCAAGTCAAATTA TAATCTTATTAGGAGAAAAATCAATTGTAATGAATCAGTATAAACAAAGTTACTAGG TAACCTCATATTGCTGAGAGAAAATGGAACCTACATTGTTCAATTAGAATAGTGTCTG CAAAAATATTTATAAACTTCTCAAGATACTGCTACTGTAATTTTATATGAAGATAAGTG TATTTTTCAATAAAGCATTATATAAATTAGCCTTTGTTTGGTTATATTGAGAAAAGGGTAG TTTCTGCATAAATGGCAAAGAACAATCATTTATTGGTTTATTTTGTCTCTACTAAACAC ATTAGTCATTTATCATTTAAATACCGGACTTCATTAGAAAACCGTTGTAACACTTTTTCTC CCTCTGCCATAAAAAATACAGTAAGTAATTTGCTTAAAAAAAACAACACAACACTAGGAA CAAGTGTCTGGTTTCTTCTCACTGAACTAAAGACATTTCTCAGTGATTTCAAGTTTGAA ATCAGTAAGACAGTGCAGGCTACAAATCAGTGCAGGCTGAAGACTGAGATTCAAATGATC TTCCACTTAAAAGTGTGAGCTATGGAACCTGCTCTCTATACCTCTCCATTTCTTACA TATATACTGAAACCACTGATTTATAAACTATTAAGTAGTGTGAATTTCTGTCTGCTC TATTAGTTTAAATGAATGCAACTTACCCTTTAGCATATATCAGAAAATACTTACTTNAGCT TCAGGTCCCCATAATTGGAGTACTGACTANTAACCACCCTAGACTCTGCGAAGTATG CATACTANAAAGGTTTCCAACCTGCTGTGACC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_022476
Insert Size:	3280 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).
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:

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_022476.2](#), [NP_071921.1](#)

RefSeq Size: 2193 bp

RefSeq ORF: 879 bp

Locus ID: 64400

UniProt ID: [Q9H8T0](#)

Cytogenetics: 16q12.2

Domains: UBCc

Gene Summary: The mouse homolog of this gene produces fused toes and thymic hyperplasia in heterozygous mutant animals while homozygous mutants die in early development. This gene may play a role in apoptosis as these morphological abnormalities are caused by altered patterns of programmed cell death. The protein encoded by this gene is similar to the ubiquitin ligase domain of other ubiquitin-conjugating enzymes but lacks the conserved cysteine residue that enables those enzymes to conjugate ubiquitin to the target protein. This protein interacts directly with serine/threonine kinase protein kinase B (PKB)/Akt and modulates PKB activity by enhancing the phosphorylation of PKB's regulatory sites. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.