

## Product datasheet for **TP315277L**

### FTS (AKTIP) (NM\_022476) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human AKT interacting protein (AKTIP), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215277 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MNPFWSMSTSSVRKRSEGEKTLTGDVKTSPPRTPAPKKQLPSIPKNALPITKPTSPAPAAQSTNGTHASY GPFYLEYSLLAEFTLVKQKLPGVVYQPSYRSALMWFGVIFIRHGLYQDGVFKFTVYIPDNYPDGDPCRL VFDIPVFHPLVDPTSGELDVKRAFAKWRRNHNHIWQVLMYARRVFKIDTASPLNPEAAVLYEKDIQLFK SNVDSVKVCTARLFDQPKIEDPYAIFSPWNPSVHDEAREKMLTQKKKPEEQHNKSVHVAGLSWVKPGS VQPFSKEEKTAT  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	32.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_071921</a></u>
Locus ID:	64400



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UniProt ID: [Q9H8T0](#), [A0A024R6T5](#)  
RefSeq Size: 2193  
Cytogenetics: 16q12.2  
RefSeq ORF: 879  
Synonyms: FT1; FTS

**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]

### Product images:



Coomassie blue staining of purified AKTIP protein (Cat# [TP315277]). The protein was produced from HEK293T cells transfected with AKTIP cDNA clone (Cat# [RC215277]) using MegaTran 2.0 (Cat# [TT210002]).