

Product datasheet for TP315277

OriGene Technologies, Inc.

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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, 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC215277 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MNPFWSMSTSSVRKRSEGEEKTLTGDVKTSPPRTAPKKQLPSIPKNALPITKPTSPAPAAQSTNGTHASY GPFYLEYSLLAEFTLVVKQKLPGVYVQPSYRSALMWFGVIFIRHGLYQDGVFKFTVYIPDNYPDGDCPRL VFDIPVFHPLVDPTSGELDVKRAFAKWRRNHNHIWQVLMYARRVFYKIDTASPLNPEAAVLYEKDIQLFK SNVVDSVKVCTARLFDQPKIEDPYAISFSPWNPSVHDEAREKMLTQKKKPEEQHNKSVHVAGLSWVKPGS

VQPFSKEEKTVAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: NP 071921

Locus ID: 64400



FTS (AKTIP) (NM_022476) Human Recombinant Protein - TP315277

UniProt ID:Q9H8T0RefSeq Size:2193Cytogenetics:16q12.2RefSeq ORF:879Synonyms:FT1; FTS

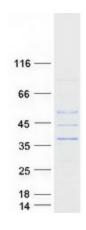
Summary: The mouse homolog of this gene produces fused toes and thymic hyperplasia in

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]).