

Recombinant Human AKTIP, His-tagged

Cat. No. AKTIP-9543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKTIP protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-292a.a.
Description	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 PKBs regulatory sites. Alternative splicing results in two transcript variants encoding the same protein.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	AKTIP AKT interacting protein [Homo sapiens]
Official Symbol	AKTIP
Synonyms	AKTIP; AKT interacting protein; FTS, fused toes (mouse) homolog , fused toes homolog (mouse); AKT-interacting protein; FLJ13258; fused toes homolog; fused toes protein homolog; FT1; FTS;
Gene ID	64400
mRNA Refseq	NM_001012398
Protein Refseq	NP_001012398
MIM	608483
UniProt ID	Q9H8T0
Chromosome Location	16q12.2
Function	protein binding; NOT small conjugating protein ligase activity;

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