

Recombinant Full Length Human AKTIP Protein, GST-tagged

Cat. No. AKTIP-5125HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FTS full-length ORF (AAH01134, 1 a.a. - 292 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	292 amino acids
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. [provided by RefSeq]
Molecular Mass	57.86 kDa
AA Sequence	MNPFWSMSTSSVRKRSEGEKTLTGDKVTSPPRTPAPKKQLPSIPKNALPITKPTSPA PAAQSTNGTHASYGPFYLEYSLAEFTLVVKQKLPGVYVQPSYRSALMWFGVIFIRH GLYQDGVFKFTVYIPDNYPDGDCPRLVFDIPVFHPLVDPTSGELDKRAFAKWRRN

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HNHIWQVLMYARRVFYKIDTASPLNPEAAVLYEKDIQLFKSKVVDSVKVCTARLFDQ
PKIEDPYAISFSPWNPSVHDEAREKMLTQKKPEEQHNKSVHVAGLSWVKPGSVQPF
SKEEKT VAT

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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MIM	608483
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UniProt ID	Q9H8T0
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