

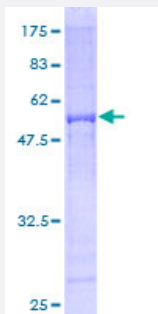
Full-Length

FTS (Human) Recombinant Protein (P01)

Catalog # H00064400-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human FTS full-length ORF (AAH01134, 1 a.a. - 292 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNPFWSMSTSSVRKRSEGEKTLTGDVKTSPPRRTAPKKQLPSIPKNALPITKPTSPAPAAQSTNG
THASYGPFYLEYSLAEFTLVVKQKLPGVYVQPSYRSALMWFGVIFIRHGLYQDGVFKFTVYIPDNY
PDGDCPRLVFDIPVFHPLVDPTSGELDVKRAFAKWRRNHNHMQVLMYARRVFYKIDTASPLNPE
AAVLYEKDIQLFKSKVVDVSVKCTARLFDQPKIEDPYAISFSPWNPSVHDEAREKMLTQKKPEEQ
HNKSVHVAGLSWVKPGSVQPFSKEEKT VAT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

57.86

Interspecies Antigen Sequence

Mouse (96); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — AKTIP

Entrez GeneID[64400](#)**GeneBank Accession#**[BC001134](#)**Protein Accession#**[AAH01134](#)**Gene Name**

AKTIP

Gene Alias

FT1, FTS

Gene Description

AKT interacting protein

Omim ID[608483](#)**Gene Ontology**[Hyperlink](#)**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]

Other Designations

fused toes homolog

Disease

- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Retinoblastoma](#)