



Recombinant Human AKT-interacting protein (AKTIP)

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|--------------------------|--|
| Product Code | CSB-MP862043HU |
| Abbreviation | AKTIP |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q9H8T0 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MNPFWSMSTS SVRKRSEGEE KTLTGDVKTS PPRTAPKKQL PSIPKNALPI TKPTSPAPAA QSTNGTHASY GPFYLEYSLI AEFTLVVKQK LPGVYVQPSY RSALMWFGVI FIRHGLYQDG VFKFTVIYIPD NYPDGDCPRL VFDIPVFHPL VDPTSGELDV KRAFAKWRRN HNHIWQVLMY ARRVFYKIDT ASPLNPEAAV LYEKDIQLFK SKVVDSVKVC TARLFDQPKI EDPYAISFSP WNPSVHDEAR EKMLTQKKPE EQHNKSVHVA GLSWVKPGSV QPFSKEEKT V AT |
| Source | Mammalian cell |
| Target Names | AKTIP |
| Protein Names | Recommended name: AKT-interacting protein Alternative name(s): Ft1 Fused toes protein homolog |
| Expression Region | 1-292 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Target Details | 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. This protein 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. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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