Recombinant Mouse AKT-interacting protein (Aktip)

Product Code	CSB-EP737354MO
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.	Q64362
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MNPLWSMSAG SVRKRAEGEE KTLAGDVKTS PPRSAPKKQL PSIPKNALPI AKPTSPAPAA QSTNGTHASY GPFYLEYSLL AEFTLVVKQK LPGVYVQPSY RSALVWFGVI FIRHGLYQDG VFKFTVYIPD NYPDGDCPRL LFDIPVFHPL VDPTSGELDV KRAFAKWRRN HNHIWQVLMY ARRVFYKIDT TSPLNPEAAV LYEKDIQLFK SKVVDSVKVC TARLFDQPKI EDPYAISFSP WNPSVHDEAR EKMLTQKKPD EQHNKSVHVA GLSWVKPGSV QPFSKEEKTV AT
Source	E.coli
Target Names	Aktip
Protein Names	Recommended name: AKT-interacting protein Alternative name(s): FT1 Fused toes protein
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	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.