Recombinant Rat Microtubule-actin cross-linking factor 1 (Macf1), partial

Product Code	CSB-EP013299RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	D3ZHV2
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Source	E.coli
Target Names	Macf1
Protein Names	Recommended name: Microtubule-actin cross-linking factor 1 Alternative name(s): Actin cross-linking family 7
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	Partial
Target Details	This protein belongs to the plakin family of cytoskeletal linker proteins. This protein family forms bridges between different cytoskeletal elements through specialized modular domains. The encoded protein is one of the largest size proteins identified in human cytoskeletal proteins. It has functional actin and microtubule binding domains, and it appears to stabilize actin at sites where microtubules and microfilaments meet. It may function in microtubule dynamics to facilitate actin-microtubule interactions at the cell periphery and to couple the microtubule network to cellular junctions. Alternatively spliced transcript variants encoding distinct isoforms have been described.
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.