



Recombinant Rat Twinfilin-1 (Twf1)

Product Code	CSB-EP725487RA-B
Abbreviation	Twf1
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.	Q5RJR2
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	SHQTGIQAS EDVKEIFARA RNGKYRLLKI SIENEQLVVG SCSPPSDSWE QDYDPFVLPL LEDKQPCYVL FRLDSQNAQG YEWIFIAWSP DHSHVRQKML YAATRATLKK EFGGGHIKDE VFGTVKEDVS LHGYRKYLLS QSSPAPLTAA EEELRQIKIS EVQTDVSVDT KHQTLQGVAF PISRDAFQAL EKLSKRQLNY VQLEIDIKNE TIILANTENT ELKDLPKRIP KDSARYHFFL YKHSHEGDYL ESIVFIYSMP GYTCSIRERM LYSSCKSPLL DIVERQLQMD VIRKIEIDNG DELTADFLYD EVHPKQHAHK QSFAKPKGPA GKRGIIRLR GPAAEAEATTD
Source	E.coli
Target Names	Twf1
Protein Names	Recommended name: Twinfilin-1
Expression Region	2-350
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 of Mature Protein
Target Details	This gene encodes twinfilin, an actin monomer-binding protein conserved from yeast to mammals. Studies of the mouse counterpart suggest that this protein may be an actin monomer-binding protein, and its localization to cortical G-actin-rich structures may be regulated by the small GTPase RAC1.
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.