Recombinant Mouse Cofilin-2 (Cfl2)

Product Code	CSB-YP005281MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P45591
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	ASGVTVNDE VIKVFNDMKV RKSSTQEEIK KRKKAVLFCL SDDKRQIIVE EAKQILVGDI GDTVEDPYTS FVKLLPLNDC RYALYDATYE TKESKKEDLV FIFWAPESAP LKSKMIYASS KDAIKKKFTG IKHEWQVNGL DDIKDRSTLG EKLGGSVVVS LEGKPL
Source	Yeast
Target Names	Cfl2
Protein Names	Recommended name: Cofilin-2 Alternative name(s): Cofilin, muscle isoform
Expression Region	2-166
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 an intracellular protein that is involved in the regulation of actin-filament dynamics. This protein is a major component of intranuclear and cytoplasmic actin rods. It can bind G- and F-actin in a 1:1 ratio of cofilin to actin, and it reversibly controls actin polymerization and depolymerization in a pH-dependent manner. Mutations in this gene cause nemaline myopathy type 7, a form of congenital myopathy. Alternative splicing results in multiple transcript variants.
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.