Recombinant Rabbit Calpain-1 catalytic subunit (CAPN1)

Product Code	CSB-EP004490RB
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P06815
Product Type	Recombinant Protein
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Purity	>85% (SDS-PAGE)
Sequence	RESGCSFVLA LMQKHRRRER RFGRDMETIG FAVYEVPREL VGQPALHLKR DFFLANASRA RSEQFINLRE VSTRFRLPPG EYVVVPSTFE PNKEGDFVLR FFSEKRAGTQ ELDDQIQANL PDEQVLSAEE IDENFKALFR QLAGEDLEIS VRELQTILNR ITSKHKDLRT KGFSMESCRS MVNLMDRDGN GKLGLVEFNI LWNRIRNYLA IFRKFDLDKS GSMSAYEMRM AIESAGFKLN KKLYELIITR YSEPDLAVDF DNFVCCLVRL ETMFRFFKTL DTDLDGVVTF DLFKWLQLTM FA
Source	E.coli
Target Names	CAPN1
Protein Names	Recommended name: Calpain-1 catalytic subunit EC= 3.4.22.52 Alternative name(s): Calcium-activated neutral proteinase 1 Short name= CANP 1 Calpain mu-type Calpain-1 large subunit Micromolar-calpain Short name= muCA
Expression Region	1-302
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 calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1.
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.