Recombinant Rabbit Calpain-2 catalytic subunit (CAPN2)

Product Code	CSB-MP004496RB
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P06814
Product Type	Recombinant Protein
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Purity	>85% (SDS-PAGE)
Sequence	QKLIRIRNPW GEVEWTGRWN DNCPNWNTVD PEVRERLAER HEDGEFWMSF SDFLRHYSRL EICNLTPDTL TSDTYKKWKL TKMDGNWRRG STAGGCRNYP NTFWMNPQYV IKLEEEDEDQ EDGESGCTFL VGLIQKHRRR QRKMGEDMHT IGFGIYEVPE ELRGQTNIHL GKNFFLTTRA RERSDTFINL REVLNRFKLP PGEYILVPST FEPNKNGDFC VRVFSEKKAD YQAVDDEIEA DLEEADVSED DIDDGFRRLF AQLAGEDAEI SAFELQNILR RVLAKRQDIK TDGLSIETCK IMVDMLDSDG TGKLGLKEFY VLWTKIQKYQ KIYREIDVDR SGTMNSYEMR KALEEAGFKL PCQLHEVIVA RFADDQLIID FDNFVRCLVR LETLFKIFKQ LDPDNTGMIQ LDLISWLCFS VL
Source	Mammalian cell
Target Names	CAPN2
Protein Names	Recommended name: Calpain-2 catalytic subunit EC= 3.4.22.53 Alternative name(s): Calcium-activated neutral proteinase 2 Short name= CANP 2 Calpain M-type Calpain-2 large subunit Millimolar-calpain Short name= M-cal
Expression Region	1-422
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 2. Multiple heterogeneous transcriptional start sites in the 5 UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene.
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.