

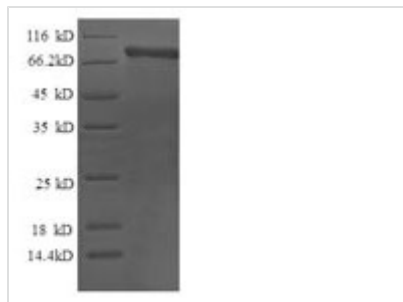


# Recombinant Human Calpain-2 catalytic subunit (CAPN2)

<b>Product Code</b>	CSB-EP004496HU
<b>Relevance</b>	Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226'.
<b>Abbreviation</b>	Recombinant Human CAPN2 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P17655
<b>Alias</b>	Calcium-activated neutral proteinase 2 ;CANP 2;Calpain M-typeCalpain large polypeptide L2;Calpain-2 large subunitMillimolar-calpain ;M-calpain
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	SHDRAIKYLNQDYEARNECLEAGTLFQDPSFPAIPALGFKELGPYSSKTRGI EWKRPTICADPQFIIGGATRTRDQCQALGDCWLLAAIASLTLNEEILARVVPLN QSFQENYAGIFHFQFWQYGEWVEVVDDRLPTKDGELLFVHSAEGSEFWSAL LEKAYAKINGCYEALSGGATTEGFEDFTGGIAEWYELKKPPPNLFKIIQKALQK GSLGCSIDITSAADSEAITFQKLVKGHAYSVTGAEVEVSNGLQKLIRIRNPWG EVEWTGRWVNDNCPSWNTIDPEERERLRRHEDGEFWMFSDFLRHYSRLEI CNLTPDTLTSPTYKKWKLTKMDGNWRRGSTAGGCRNYPNTFWMNPQYLIK EEEEDEEDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFGIYEVPEELSGQ TNIHLSKNFFLTNRARERSDTFINLREVLNRFKLPPGEYILVPSTFEPNKDGFDC IRVFSEKKADYQAVDDEIEANLEEFDISIDDGFRRLFAQLAGEDAEISAFEL QTILRRVLAKRQDIKSDGFSIETCKIMVDMMLSDGSGKLGKLFYILWTKIQKYQ KIYREIDVDRSGTMNSYEMRKALEEAGFKMPCQLHQVIVARFADDQLIIDFDNF VRCLVRLETFLKIFKQLDPENTGTIELDLISWLCFSVL
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	CAPN2
<b>Expression Region</b>	20-700aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	82.1kDa

**Protein Length**

Full Length of Mature Protein

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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.