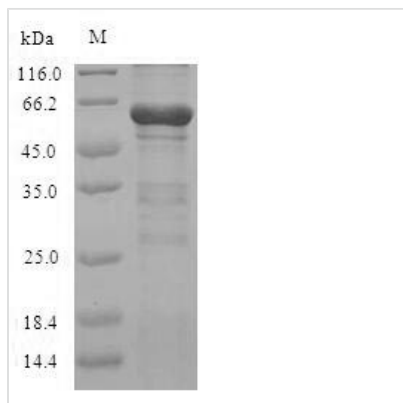




Recombinant Pig Calpain-2 catalytic subunit (CAPN2)

Product Code	CSB-EP004496PI
Relevance	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'.
Abbreviation	Recombinant Pig CAPN2 protein
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.	P43367
Alias	Calcium-activated neutral proteinase 2 ;CANP 2;Calpain M-type;Calpain-2 large subunit;Millimolar-calpain ;M-calpain
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	YPNTFWMNPQYLIKLEEEDEDQEDGESGCTFLVGLIQKHRRRQRKMGEDMHT IGFGIYEVPEELTGQTNIHLSKNFFLTHRARERSDTFINLREVLNRFKLPPEYIL VPSTFEPNKDGFDFCIRVFSEKKADYQVVDDEIEADLEENDASEDDIDDGFRRLF AQLAGEDAEISAFELQILRRVLAKRQDIKSDGFSIETCRIMVDMMLDSDGSAKLG LKEFYILWTKIQKYQKIYREIDVDRSGTMNSYEMRKALEEAGFKLPCQLHQVIV ARFADDQLIIDFDNFVRCLVRLETFRISKQLDSENTGTIELDLISWLCFSVL
Research Area	Others
Source	E.coli
Target Names	CAPN2
Expression Region	1-324aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	53.8kDa
Protein Length	Full Length
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.