

## Recombinant human Calpastatin

Catalog No: #AP72474



Package Size: #AP72474-1 20ug #AP72474-2 100ug #AP72474-3 1mg

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## Description

Product Name	Recombinant human Calpastatin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-667aaSequence Info:Full Length of isoform 4
Other Names	Calpain inhibitorSperm BS-17 component
Accession No.	P20810
Uniprot	P20810
GeneID	831;
Calculated MW	73.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>           MNPTETKAVKTEPEKKSQSTKPKSLPKQASDTGSNDAHNKKAVSRSAEQQPSEKSTEPKTKPQDMISAGGES            VAGITAISGKPGDKKKEKSLTPAVPVESKPKPSGKSGMDAALDDLIDTLGGPEETEEENTTYTGPEVSDPM            SSTYIEELGKREVTIPPKYRELLAKKEGITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEVLKA            QSAGTVRSAAPPQEKKRKVEKDTMSDQALEALSASLGTRQAEPELDLRSIKEVDEAKAKEEKLEKCGEDDETI            PSEYRLKPATDKDGKPLLPEPEEKPKPRSESELIDELSEDVDRSECKEKPSKPTKTEESKAAAPAPVSEAVC            RTSMCSIQSAPPEPATLKGTVPDDAVEALADSLGKKEADPEDGKPMKVKKEAKEEDREKLGEKEETIPDPY            RLEEVDKDKGKPLLPKESKEQLPPMSEDFLLDALSEDFSGPQNASSLKFEDAKLAAAISEVVSQTPASTTQAG            APPRDTSQSDKDLDDALDKLSDSLGQRQPDNDENKPMEDKVKKEKAKAEHRDKLGERDDTIPPEYRHLDDN            GQDKPVKPTKKSSEDSSKPPADDQDPIDALSGDLDCPSTTETSQNTAKDKCKKAASSSKAPKNGGKAKDSAK            TTEETSKPKDD         </p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

## Background

Specific inhibition of calpain (calcium-dependent cysteine protease). Plays a key role in postmort tenderization of meat and have been proposed to be involved in muscle protein degradation in living tissue.

## References

cDNA cloning of human calpastatin sequence homology among human, pig, and rabbit calpastatins.Asada K., Ishino Y., Shimada M., Shimojo T., Endo M., Kimizuka F., Kato I., Maki M., Hatanaka M., Murachi T.J. Enzym. Inhib. 3:49-56(1989)Research Topic:Neuroscience

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Note: This product is for in vitro research use only