

Recombinant Human CAST Protein (1-667 aa), His-tagged

Cat. No. CAST-1350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAST Protein (1-667 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length of isoform 4.
Species	Human
Source	Yeast
ProteinLength	1-667 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	73.9 kDa
AA Sequence	MNPTETKAVKTEPEKKSQSTKPKSLPKQASDTGSNDAHNNKAVSRSAEQQPSEKST EPKTKPQDMISAGGESVAGITAISGKPGDKKKEKSLTPAVPVESKPDKPSGKSGMD AALDDLIDTLGGPEETEEENTTYTGPEVSDPMSSTYIEELGKREVTIPPKYRELLAKK EGITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEVLKAQSAGTVR SAAPPQEKKRKVEKDTMSDQALEALSASLGTRQAEPDLRSIKEVDEAKAKEEKLK KCGEDDETIPSEYRLKPATDKDGKPLLPEPEEKKPKPRSESELIDELSEDFDRSECKE KPSKPTKTEESKAAAPAPVSEAVCRTSMCSIQSAPPEPATLKGTVPPDDAVEALADS

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LGKKEADPEDGKPVMDKVKEKAKEEDREKLGEKEETIPPDYRLEEVKDKDGKPLLP
 KESKEQLPPMSEDFLLDALSEDFSGPQNASSLKFEAKLAAAISEVVSQTPASTTQA
 GAPPRDTSQSDKDLDDALDKLSDSLGQRQPDNDENKPMEDKVKEKAKAEHRDKLG
 ERDDTIPPEYRHLDDNGQDKPVKPKPTKKSEDSKKPADDQDPIDALSGDLDCPSTT
 ETSQNTAKDKCKKAASSSKAPKNGGKAKDSAKTTEETSKPKDD

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name CAST calpastatin [Homo sapiens]

Official Symbol CAST

Synonyms CAST; calpastatin; BS-17; MGC9402;

Gene ID 831

mRNA Refseq NM_001042440

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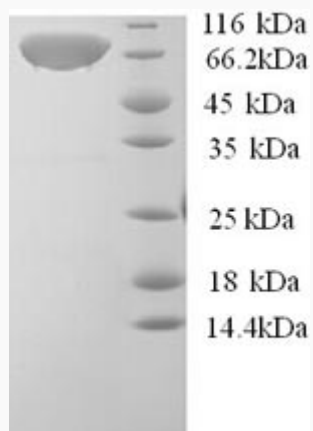
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Protein Refseq NP_001035905

MIM 114090

UniProt ID P20810



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

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