

## Recombinant Human CAST protein, His-tagged

Cat. No. CAST-2638H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CAST protein(P20810)(1-667aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-667aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	75.9 kDa
<b>AA Sequence</b>	MNPTETKAVKTEPEKKSQSTKPKSLPKQASDTGSNDAHNNKAVSRSAEQQPSEKST EPKTKPQDMISAGGESVAGITAISGKPGDKKKEKSLTPAVPVESKPKDKPSGKSGMD AALDDLIDTLGGPEETEEENTTYTGPEVSDPMSSTYIEELGKREVTIPPKYRELLAKK EGITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEVLKAQSAGTVR SAAPPQEKKRKVEKDTMSDQALEALSASLGTRQAPELDLRSIKEVDEAKAKEEKL KCGEDDETIPSEYRLKPATDKDGKPLLPEPEEKPKPRSESELIDELSEDFDRSECKE KPSKPTKTEESKAAAPAPVSEAVCRTSMCSIQSAPPEPATLKGTVPDDAVEALADS LGKKEADPEDGKPVMDKVKEKAKEEDREKLGEKEETIPPDYRLEEVDKDKGKPLL KESKEQLPPMSEDFLLDALSEDFSGPQNASSLKFEAKLAAAISEVVSQTPASTTQA

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

GAPPRDTSQSDKLDDALDKLSDSLGQRQPDPDENKPMEDKVKEKAKAEHRDKLG  
 ERDDTIPPEYRHLLDDNGQDKPVKPPTKKSEDSKKPADDQDPIDALSGDLDCPSTT  
 ETSQNTAKDKCKKAASSSKAPKNGGKAKDSAKTTEETSKPKDD

**Purity** Greater than 90% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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%.

## GENE INFORMATION

**Gene Name** [CAST calpastatin \[ Homo sapiens \]](#)

**Official Symbol** [CAST](#)

**Synonyms** CAST; calpastatin; calpain inhibitor; sperm BS-17 component; BS-17; MGC9402;

**Gene ID** [831](#)

**mRNA Refseq** [NM\\_001042440](#)

**Protein Refseq** [NP\\_001035905](#)

**MIM** [114090](#)

**UniProt ID** [P20810](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA