

Recombinant Human CAST protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CAST protein(P20810)(1-667aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-667aa
Form	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.
Molecular Mass	75.9 kDa
AA Sequence	MNPTETKAVKTEPEKKSQSTKPKSLPKQASDTGSNDAHNNKAVSRSAEQQPSEKST EPKTKPQDMISAGGESVAGITAISGKPGDKKKKEKSLTPAVPVESKPDKPSGKSGMD AALDDLIDTLGGPEETEEENTTYTGPEVSDPMSSTYIEELGKREVTIPPKYRELLAKK EGITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEVLKAQSAGTVR SAAPPQEKKRKVEKDTMSDQALEALSASLGTRQAEPDLRSIKEVDEAKAKEEKL KCGEDDETIPSEYRLKPATDKDGKPLLPEPEEKP KPRSESELIDELSEDFDRSECKE KPSKPTKTEESKAAAPAPVSEAVCRTSMCSIQSAPPEPATLKGTVPDDAVEALADS LGKKEADPEDGKPVMDKVKEKAKEEDREKLGEKEETIPPDYRLEEVDKDKGKPLL KESKEQLPPMSEDFLLDALSEDFSGPQNASSLKFEAKLAAAISEVVSQTPASTTQA

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GAPPRDTSQSDKLDDALDKLSDSLGQRQPDENKPMEDKVKEKAKAEHRDKLG
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

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