

Calpastatin Protein, Human, Recombinant (His)

General Information

Synonyms: Sperm BS-17 component; Calpastatin; Calpain inhibitor; CAST

Protein Construction: 1-667 aa

Species: Human

Expression Host: E. coli

Accession: P20810

Molecular Weight: 75.9 kDa (Predicted)

AA Sequence: MNPTETKAVKTEPEKKSQSTKPKSLPKQASDTGSNDAHNKKAVSRSAEQQPSEKSTEPKTKPQDMISAGGES
VAGITAISGKPGDKKKKEKSLTPAVPVESKPKPSGKSGMDAALDDLIDTLGGPEETEEENTTYTGPEVSDPMS
STYIEELGKREVTIPPKYRELLAKKEGITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEVKLAQ
SAGTVRSAAPPQEKKRKVEKDTMSDQALEALSASLGTRQAEPELDLRSIKEVDEAKAKEEKLKCGEDDETIPS
EYRLKPATDKDGKPLLPEPEEKPKPRSESELIDELSEDFDRSECKEKPSKPTKTEESKAAAPAPVSEAVCRTSM
CSIQSAPPEPATLKGTVPDDAVEALADSLGKKEADPEDGKPVMDKVKEKAKEEDREKLGEKEETIPPDYRLEE
VKDKDGKPLLPKESKEQLPPMSEDFLLDALSEDFSGPQNASSLKFEAKLAAAISEVVSQTPASTTQAGAPPR
DTSQSDKDLDDALDKLSDSLGQRQPDENKPMEDKVKEKAKAEHRDKLGERDDTIPPEYRHLLDDNGQD
KPVKPPTKKSEDSKKPADDQDPIDALSGDLSDSCPSTTETSQNTAKDKCKKAASSSKAPKNGGKAKDSAKTTE
ETSKPKDD

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.

Purity: >90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: 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.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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