

Datasheet for ABIN7548470

## Calpastatin Protein (CAST) (AA 1-708) (His tag)



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### Overview

Quantity:	1 mg
Target:	Calpastatin (CAST)
Protein Characteristics:	AA 1-708
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpastatin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat CAST Protein expressed in mammalian cells.
Sequence:	<p>MNPTETKAIP VSQQMEGPHL PNKKKHKKQA VKTEPEKKSQ STKLSVVHEK KSQEGKPKEH</p> <p>TEPKSLPKQA SDTGSNDAHN KKAVERSAAEQ QPSEKSTEPK TKPQDMISAG GESVAGITAI</p> <p>SGKPGDKKKE KKSLLTPAVPV ESKPDKPSGK SGMDAALDDL IDTLGGPEET EEENTTYTGP</p> <p>EVSDPMSSTY IEELGKREVT IPPKYRELLA KKEGITGPPA DSSKPIGPDD AIDALSSDFT</p> <p>CGSPTAAGKK TEKEESTEVL KAQSAGTVRS AAPPQEKKRK VEKDTMSDQA LEALSASLGT</p> <p>RQAEPELDLR SIKEVDEAKA KEEKLEKCGE DDETIPSEYR LKPATDKDGK PLLPEPEEKP</p> <p>KPRSESELID ELSEDFDRSE CKEKPSKPTK KTEESKAAAP APVSEAVCRT SMCSIQSAPP</p> <p>EPATLKGTVP DDAVEALADS LGKKEADPED GKPVMKVKKE KAKEEDREKL GEKEETIPPD</p> <p>YRLEEVDKDK GKPLLPKESK EQLPPMSSEDF LLDALSEDFS GPQNASSLKF EDAKLAAAIIS</p> <p>EVVSQTPAST TQAGAPPRDT SQSDKDLDDA LDKLSDSLGQ RQPDNDENKP MEDKVKEKAK</p> <p>AEHRDKLGER DDTIPPEYRH LLDDNGQDKP VKPPTKKSED SKKPADDQDP IDALSGDLDS</p>

## Product Details

CPSTTETSQN TAKDKCKKAA SSSKAPKNGG KAKDSAKTTE ETSKPKDD **Sequence without tag.**

**The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	Calpastatin (CAST)
Alternative Name:	CAST ( <a href="#">CAST Products</a> )
Background:	Calpastatin (Calpain inhibitor) (Sperm BS-17 component),FUNCTION: Specific inhibition of calpain (calcium-dependent cysteine protease). Plays a key role in postmortem tenderization of meat and have been proposed to be involved in muscle protein degradation in living tissue.
Molecular Weight:	76.6 kDa
UniProt:	<a href="#">P20810</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months