

Datasheet for ABIN7563373

Calpastatin Protein (CAST) (AA 1-788) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Calpastatin (CAST)
Protein Characteristics:	AA 1-788
Origin:	Mouse
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>MSQPGPKPAA SPRPSRGAAA RHTQEHVNEK NIGSSSKPGE KKGSDKKAA SLGSSQPSRP</p> <p>HVGEAATATK VTASSAATSK SPSMSTTETK AIPVKNQLEG PDQKRPREQA VKTESKKPQS</p> <p>SEQPVVHEKK SKGGPKEGSE PKNLPKHTSS TGSKHAHKEK ALSRSNEQMV SEKPSESKTK</p> <p>FQDVPSAGGE SVAGGGTVAT ALDKVVGKKK EQKPFTPASP VQSTPSKPSD KSGMDAALDD</p> <p>LIDTLGGHED TNRDDPPYTG PVLDPMYST YLEALGIKEG TIPPEYRKLK EKNEGITQPL</p> <p>PDSPKPMGTD QAIDALSSDF TCSSPTGKQS EKEKSTGEIF KAQSAGVTRS SVPPKEKKRK</p> <p>VEEEVINDQA LQALSDSLGT RQPDPPSHVS QAEQVKEAKA KEERQEKCGE DEDTVPAEYR</p> <p>LKPAKDKDGK PLLPEPEETS KSLSESELIG ELSADFDRST YQDKPSTPAE KKSNDTSQTP</p> <p>PGETVPRASM CSIRSAPPKL ASLKGVPED AVETLAGSLG TREADPEHEK TVEDKVKEKA</p> <p>KEEEHEKLGE KEETVPPDYR LEEVKDKDGK PLLPKESQEQ LAPLSDDFLL DALSQDFSSP</p> <p>ANISSLEFED AKLSAAISEV VSQTPAPSTH AAPPLPGTEQ KDELDLDDALD ELSDSLGQRP</p>

Product Details

PDPDENKPLD DKVKEKIKPE HSEKLGERDD TIPPEYRHLL DNDGKDKPEK PPTKKTEKPD
QDRDPIDALS EDLDSCPSTT ETSKNTAKGK SKKTSSSKAS KDGEKTKDSS KKTEEVSKPK
AKEDARHS **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:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Calpastatin (CAST)
Alternative Name:	Cast (CAST Products)
Background:	Calpastatin (Calpain inhibitor),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:	84.9 kDa
UniProt:	P51125

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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