

Datasheet for ABIN7556226

## Calpain 7 Protein (CAPN7) (AA 1-813) (His tag)



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### Overview

Quantity:	1 mg
Target:	Calpain 7 (CAPN7)
Protein Characteristics:	AA 1-813
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Capn7 Protein expressed in mammalian cells.
Sequence:	<p>MDASALERDA VQFARLAVQR DHEGRYSEAV FYYKEAAQAL IYAEMAGSSL ERIQEKINEY</p> <p>LERVQALHSA VQSKSTDPLK SKHQDLERA HFLVTQAFDE DEKGNVEDAI ELYTEAVELC</p> <p>LKTSSETADK TLQNKLKQLA RQALDRAEAL SEPLTKPFCK LKSANMKT KT PPVRTHFPLG</p> <p>PNPFVEKPQA FISPQSCDAQ GQKYTAEIE VLRTTSKING VEYVPFMSVD LRERFAYPMP</p> <p>FCDRLGKLPL SPKQKTTFSK WVRPEDLTNN PTMIYTVSSF SIKQTIVSDC SFVASLAISA</p> <p>AYERRFNKKL ITSIIYPQNK DGEPEYNPCG KYMVKLHLNG VPRKVIIDDQ LPVDHKGELL</p> <p>CSYSNNKSEL WVSLIEKAYM KVMGGYDFPG SNSNIDLHAL TGWIPERIAM HSDSQTF SKD</p> <p>NSFRMLYQRF HKGDVLITAS TGVMTAEAGE KWGLVPTHAY AVLDIREFKG LRFIQLKNPW</p> <p>SHLRWKGRYS ENDVKNWTPE LQKYLNFDP R TAQKIDNGIF WISWDDL CQY YDVVYLSWNP</p> <p>ALFKESTCIH STWDAKQGPV KDAYSLANNP QYKLEVQCPQ GGAAVWVLLS RHITDKDDFA</p> <p>NNREFITMVV YKTDGKKVYY PADPPPYIDG IRINSPHYLT KIKLTPGTH TFTLVVSQYE</p>

Product Details

KQNTIHYTVR VYSACSFTFS KIPSPYTL SK RINGKWSGQS AGGCGNFQET HKNNPIYQFH  
IDKTGPLLIE LRGPRQYSVG FEVVAVSIMG DPGPHGFQRK SSGDYRCGFC YLELENIPAG  
IFNIIPSTFL PKQEGPFFLD FNSTVPIKTT QLQ **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"><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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Calpain 7 (CAPN7)
Alternative Name:	Capn7 ( <a href="#">CAPN7 Products</a> )
Background:	Calpain-7 (EC 3.4.22.-) (PalB homolog) (PalBH),FUNCTION: Calcium-regulated non-lysosomal thiol-protease. {ECO:0000250}.
Molecular Weight:	92.6 kDa
UniProt:	<a href="#">Q9R1S8</a>

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.

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