

Datasheet for ABIN7552961

## 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:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 7 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant CAPN7 Protein expressed in mammalian cells.
Sequence:	<p>MDATALERDA VQFARLAVQR DHEGRYSEAV FYYKEAAQAL IYAEMAGSSL ENIQEKITEY</p> <p>LERVQALHSA VQSKSADPLK SKHQDLERA HFLVTQAFDE DEKENVEDAI ELYTEAVDLC</p> <p>LKTSYETADK VLQNKLKQLA RQALDRAEAL SEPLTKPVGK ISSTSVKPKP PPVRAHFPLG</p> <p>ANPFLERPQS FISPQSCDAQ GQRYTAEIE VLRTTSKING IEYVPFMNVD LRERFAYPMP</p> <p>FCDRWGKLPL SPKQKTTFSK WVRPEDLTNN PTMIYTVSSF SIKQTIVSDC SFVASLAISA</p> <p>AYERRFNKKL ITGIIYPQNK DGEPEYNPCG KYMVKLHLNG VPRKVIIDDQ LPVDHKGELL</p> <p>CSYSNNKSEL WWSLIEKAYM KVMGGYDFPG SNSNIDLHAL TGWIPERIAM HSDSQTFSKD</p> <p>NSFRMLYQRF HKGDVLITAS TGMMEAEKE KWGLVPTHAY AVLDIREFKG LRFIQLKNPW</p> <p>SHLRWKGRYS ENDVKNWTPE LQKYLNFDPK TAQKIDNGIF WISWDDLQCY YDVIYLSWNP</p> <p>GLFKESTCIH STWDAKQGPV KDAYSLANNP QYKLEVQCPQ GGAAVWLLS RHITDKDDFA</p> <p>NNREFITMVV YKTDGKKVYY PADPPPYIDG IRINSPHYLT KIKLTPGTH TFTLVVSQYE</p> <p>KQNTIHYTVR VYSACSFTFS KIPSPYTLK RINGKWSGQS AGGCGNFQET HKNNPIYQFH</p>

## Product Details

IEKTGPLLIE LRGPRQYSVG FEVVTVSTLG DPGPHGFLRK SSGDYRCGFC YLELENIPSG  
IFNIIPSTFL PKQEGPFFLD FNSIPIKIT 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.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

**Target:** Calpain 7 (CAPN7)

**Alternative Name:** CAPN7 ([CAPN7 Products](#))

**Background:** Calpain-7 (EC 3.4.22.-) (PalB homolog) (PalBH),FUNCTION: Calcium-regulated non-lysosomal thiol-protease. {ECO:0000250}.

**Molecular Weight:** 92.7 kDa

**UniProt:** [Q9Y6W3](#)

## Application Details

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Application Notes:	We expect the protein to work for functional studies. 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

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