

Datasheet for ABIN7552837

## Calpain 6 Protein (CAPN6) (AA 1-641) (His tag)



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### Overview

Quantity:	1 mg
Target:	Calpain 6 (CAPN6)
Protein Characteristics:	AA 1-641
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 6 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant CAPN6 Protein expressed in mammalian cells.
Sequence:	<p>MGPPCLKFKN QKYQELKQEC IKDSRLFCDP TFLPENDSLF YNRLPGKVV WKRPQDICDD</p> <p>PHLIVGNISN HQLTQGRLGH KPMVSAFSCS AVQESHWTKT IPNHKEQEWDPQKTEKYAGI</p> <p>FHFRFWHFGE WTEVVIDDLL PTINGDLVFS FSTSMNEFWN ALLEKAYAKL LGCYEALDGL</p> <p>TITDIIVDFT GTLAETVDMQ KGRYTELVVEE KYKLFGEYK TFTKGGLICC SIESPNQEEQ</p> <p>EVETDWGLLK GHTYTMDIR KIRLGERLVE VFSAEKVYMV RLRNPLGRQE WSGPWSEISE</p> <p>EWQQLTASDR KNLGLVMSDD GEFWMSLEDF CRNFHKLNVCRNVNPNIFGR KELESVLGCW</p> <p>TVDDDPLMNR SGGCYNNRDT FLQNPQYIFT VPEDGHKVIM SLQQKDLRTY RRMGRPDNYI</p> <p>IGFELFKVEM NRKFRLLHLY IQERAGTSTY IDTRTVFLSK YLKKGNVVLV PTMFQHGRTS</p> <p>EFLLRIFSEV PVQLRELTLDPKMSCWNLA RGYPKVVTQI TVHSAEDLEK KYANETVNPY</p> <p>LVIKCGKEEV RSPVQKNTVH AIFDTQAIFY RRTTDIPIV QVWNSRKFCQFLGQVTLDA</p> <p>DPSDCRDLKS LYLRKKGKGP AKVKQGHISF KVISSDDLTE L <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</b></p>

## Product Details

**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 6 (CAPN6)

**Alternative Name:** CAPN6 ([CAPN6 Products](#))

**Background:** Calpain-6 (Calpain-like protease X-linked) (Calpamodulin) (CalpM),FUNCTION: Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues (By similarity). {ECO:0000250, ECO:0000269|PubMed:17210638}.

**Molecular Weight:** 74.6 kDa

**UniProt:** [Q9Y6Q1](#)

## Application Details

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.
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