

Datasheet for ABIN7562350

## 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:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Capn6 Protein expressed in mammalian cells.
Sequence:	<p>MGPPCLKLFGK QKYQELKQEC MKDGRFLFCDF TFLPENSFLF FNRLLPQKVV WKRPQDISDD</p> <p>PHLIVGNISN HQLIQGRLGN KAMISAFSCL AVQESHWTKA IPNHKQDEWD PRKPEKYAGI</p> <p>FHFRFWHFG WTEVVIDDLL PTINGDLVFS FSTSMNEFWN ALLEKAYAKL LGCYEALDGL</p> <p>TITDIIMDFT GTLAEIIMQ KGRYTDLVEE KYKLFGEYK TFTKGGILCC SIESPSQEEQ</p> <p>EVETDWGLLK GYTYTMTDIR KLRLGERLVE VFSTEKLYMV RLRNPLGRQE WSGPWSEISE</p> <p>EWQQLTVTDR KNLGLVMSDD GEFWMSLEDF CHNFHKLNVN RNVNPNVFGF KELESVVGCV</p> <p>TVDDDPMLNR SGGCYNNRDT FLQNPQYIFT VPEDGHKVM SLQQKDLRTY RRMGRPDNYI</p> <p>IGFELFKVEM NRRFRLHHLY IQERAGTSTY IDTRTVFLSK YLKKGSYVLV PTMFQHGRTS</p> <p>EFLRLIFSEV PVQLRELTL MPKMSCWNLA RGYPKVVTQI TVHSAEGLEK KYANETVNPY</p> <p>LIKCGKEEV RSPVQKNTVH AIFDTQAIFY RRTTDPIII QVWNSRKFCF QFLGQVTLDA</p> <p>DPSCDRDLKS LYLRKKGKPT AKVKQGHISF KVISSDDLTE L <b>Sequence without tag. The</b></p>

**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:	Calpain 6 (CAPN6)
Alternative Name:	Capn6 ( <a href="#">CAPN6 Products</a> )
Background:	<p>Calpain-6,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.</p> <p>{ECO:0000269 PubMed:17210638, ECO:0000269 PubMed:21406564}.</p>
Molecular Weight:	74.5 kDa
UniProt:	<a href="#">O35646</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.
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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