

Datasheet for ABIN7561471

## CAPN10 Protein (AA 1-666) (His tag)



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### Overview

Quantity:	1 mg
Target:	CAPN10
Protein Characteristics:	AA 1-666
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAPN10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Capn10 Protein expressed in mammalian cells.
Sequence:	<p> MRAVRAETPA RELFRDAAFP ASDSSLFYNL STPLAQFRED ITWRRPQEIC ATPQLFPDNP  WEGQVKQGLL GDCWFLCACA ALQKSQHLLD QVFPPGQPGW SDQKYQGFFT CRIWQFGHWE  EVTIDRLPC LAGRLCFSRC QREDVFWLPL LEKAYAKVHG SYEHLWAGQV ADALVDLTGS  LAERWSLKDV TKASGQQDRP SGGEHRTCRQ LLHLKDRCLI SCSVLSPRAG ARELGEFHAF  IISDLQELRS QTGGQILLR IHNPWGRRCW QGLWREGGEG WNQVEPAKES ELLAQLQEGE  FWVEEEFLR EFDEVTIGYP VTEAGHLQSL HTERVLCHTR TLPQAWVTGQ SAGGCRNNSC  FPCNPKFWLR LLEPSEVCVA VLQRPRRRLV GQTRALAGAS PAPVNLPGKD YQAVGLHIWK  VEKRKISLPR VLSAPPVAGT ACHAYDREIH LRCELSPGY Y LAVPSTFLKD VPGQFLLRVF  STGKISLSAV RLATKGASPG TALPAGEWET VQLQGCWRAG QTAGGSRNFA SYPCNPCLPF  SVPEGAGPRY IRITLQQHCR LSDSQLHPIG FHFVQVPADG ENQDACSLLL QEPLLSCVPH  RYAQEVSRLC LLSVGNYRIV PSTYLPDTEG TFTVTIATRI DRQSIHSQEM LGQLLQEVSF MAVMKA </p>

**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:	<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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	CAPN10
Alternative Name:	Capn10 ( <a href="#">CAPN10 Products</a> )
Background:	Calpain-10 (EC 3.4.22.-) (Calcium-activated neutral proteinase 10) (CANP 10),FUNCTION: Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. May play a role in insulin-stimulated glucose uptake (By similarity). {ECO:0000250}.
Molecular Weight:	74.6 kDa
UniProt:	<a href="#">Q9ESK3</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</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