

Datasheet for ABIN7552896

**Calpain 8 Protein (CAPN8) (AA 1-703) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Calpain 8 (CAPN8)
Protein Characteristics:	AA 1-703
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpain 8 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CAPN8 Protein expressed in mammalian cells.
Sequence:	MAAQAAGVSR QRAATQGLGS NQNALKYLGQ DFKTLRQQL DSGVLFKDPE FPACPSALGY KDLGPGSPQT QGIIWKRPT LCPSPQFIVG GATRTDICQG GLGDCWLLAA IASLTLNEEL LYRVVPRDQD FQENYAGIFH FQFWQYGEWV EVVIDDLRPT KNGQLLFLHS EQGNEFWSAL LEKAYAKLNG CYEALAGGST VEGFEDFTGG ISEFYDLKKP PANLYQIIRK ALCAGSLLGC SIDVSSAAEA EAITSQKLVK SHAYSVTGV E VNFQGHPEK LIRLRNPWGE VEWSGAWSDD APEWNHIDPR RKEELDKKVE DGEFWMSLSD FVRQFSRLEI CNLSPDSLSS EEVHKWNLVL FNGHWTRGST AGGCQNYPAT YWTNPQFKIR LDEVEDQEE SIGEPCCTVL LGLMQKNRRW RKRIGQGMLS IGYAVYQVPK ELESHTDAHL GRDFFLAYQP SARTSTYVNL REVSGRARLP PGEYLVVST FEPFKDGEFC LRVFSEKKAQ ALEIGDVVAG NPYEPHPSEV DQEDDQFRRL FEKLAGKDSE ITANALKILL NEAFSKRTDI KFDGFNINTC REMISLLDSN GTGTLGAVEF KTLWLKIQKY LEIYWETDYN HSGTIDAHEM RTALRKAGFT LNSQVQQTIA LRYACSKLGI NFDSFVACMI RLETLFKLFS LLEDKDKGMV QLSLAEWLCC VLV <b>Sequence without tag. The</b>

## Product Details

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**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

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Target: Calpain 8 (CAPN8)

Alternative Name: CAPN8 ([CAPN8 Products](#))

Background: Calpain-8 (EC 3.4.22.53) (New calpain 2) (nCL-2) (Stomach-specific M-type calpain),FUNCTION: Calcium-regulated non-lysosomal thiol-protease. Involved in membrane trafficking in the gastric surface mucus cells (pit cells) and may involve the membrane trafficking of mucus cells via interactions with coat protein. Proteolytically cleaves the beta-subunit of coatomer complex (By similarity). {ECO:0000250}.

Molecular Weight: 79.1 kDa

UniProt: [A6NHC0](#)

## 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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