

Datasheet for ABIN7559981

Calpain 8 Protein (CAPN8) (AA 1-703) (His tag)



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Overview

Quantity:	1 mg
Target:	Calpain 8 (CAPN8)
Protein Characteristics:	AA 1-703
Origin:	Mouse
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:	<p>MAALAAGISK QRAAAQGLGS NQNAV KYLGQ DFETLRKQCL NSGVLFDKPE FPACPSALGY</p> <p>RDLGPGSAET QGIWKRPTE LCSNPQFIVG GATRTDIRQG GLGDCWLLAA IASLT LNEKL</p> <p>LYRVVPRDQS FQKNYAGIFH FQFWQYGEWV EVVIDDLRPT KNGQLLFLHS EEGNEFW SAL</p> <p>LEKAYAKLNG SYEALAGGST IEGFEDFTGG ISEFYDLRKP PGNLYYTIQK ALRKG SLLGC</p> <p>SIDVSNAAEA EATTRQKLVK GHAYSVTGVE EVDFRGLPEK LIRLRNPWGE VEW TGAWSDS</p> <p>APEWNYIDPQ KKGELDKRAE DGEFWMSFSD FLKQFSRLEI CNLSPDSLSS EEIHKWN LVL</p> <p>FNGRWTRGST AGGCQNPAT YWTNPQFKIH LDEVEDQEE GTSEPCCTVL LGLMQKNRRR</p> <p>QRRIGQGMLS IGYAVYQIPK ELENHTDEHL GRDFFQGRQP STCSSTYMN L REVSSRVQLP</p> <p>PGQYLVVPST FEPFKDGD FC LRVFSEKKAQ ALEIGDAVPG DPHEPHPRDM DGEDEHFWSL</p> <p>SEEFADKDSE ISAHQLKRVL NGLLSKRTDM KDFGNINTC REMISLLDGD GTGSLRPVEF</p> <p>KTLWLKICKY LEIQEMDHS RAGTIDAHM RTALKKAGFT LNNQVQQTIA TRYACSKLGV</p> <p>DFDGFVACMI RLEILFKLFR LLDKDQNGIV QLSLAEWLCR ALV Sequence without tag. The</p>

Product Details

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 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 (By similarity). 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. {ECO:0000250, ECO:0000269|PubMed:16476741}.

Molecular Weight: 79.3 kDa

UniProt: [Q91VA3](#)

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