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Datasheet for ABIN7561419

**CAPN12 Protein (AA 1-720) (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | CAPN12  |
| Protein Characteristics:      | AA 1-720                                      |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This CAPN12 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)         |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat Capn12 Protein expressed in mammalien cells.  |
| Sequence: | MASGNRKVTI QLVDDGAGTG AGGPQLFKGQ NYEARRACL DSGILFRDPC FPAGPDALGY<br>DKLGPDSEKA KGVEWKRPHE FCAEPQFICE DMSRTDVCQG SLGNCWLLAA AASLTLYPRL<br>LYRVPPGQG FQDGYAGVFH FQLWQFGRWV DVVVDDKLPV REGKLMFVRS EQRNEFWAPL<br>LEKAYAKLHG SYEVMRGGHM NEAFVDFTGG VGEVLYLRQN TPGVFAALRH ALAKESLVGA<br>TALSDRGEIR TDEGLVKGHA YSVTGTHKMS LGFTKVRLLR LRNPWGRVEW SGPWSDSCPR<br>WDMLPSEWRD ALLVKKEDGE FWMELQDFLT HFNTVQICSL SPEVLGPSPA GGGWHIHIFQ<br>GRWVRGFNSG GSQPSAENFW TNPQFRLTLL EPDEEEDDDD EEGPWGGWGA AGARGPARGG<br>RVPKCTVLLS LIQRNRCLR AKGLTYLTVG FHFVQIPEEL LDLWDSPRSR ALLPGLLRAD<br>RSVFCARRDV SRRCLPPGH YLVVPSASRV GDEADFTLRI FSERSHTAVE IDDIVISADLD<br>ALQAPYKPLE LELAQLFLEL AGEEEELNAL QLQTLISIAL EPARANTRTP GEIGLRTCEQ<br>LVQCFGRGQR LSLHHFQELW GHLMSWQATF DKFDEDASGT MNSCELRLAL TAAGFHLNNQ |

## Product Details

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LTQSLTSRYR DSRLRVDFER FVGCAARLTC IFRHCCQHLD GGEGVVCLTH KQWSEVATFS

**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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

CAPN12

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### Alternative Name:

Capn12 ([CAPN12 Products](#))

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### Background:

Calpain-12 (EC 3.4.22.-) (Calcium-activated neutral proteinase 12) (CANP 12),FUNCTION: Calcium-regulated non-lysosomal thiol-protease. {ECO:0000250}.

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### Molecular Weight:

80.6 kDa

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### UniProt:

[Q9ER56](#)

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## Application Details

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### 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

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## Application Details

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guarantee though.

Restrictions: For Research Use only

## Handling

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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