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Datasheet for ABIN7556919  
**CNN1 Protein (AA 1-297) (His tag)**

## Overview

Quantity:	1 mg
Target:	CNN1
Protein Characteristics:	AA 1-297
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNN1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Cnn1 Protein expressed in mammalian cells.
Sequence:	<p>MSSAHFNRGP AYGLSAEVKN KLAQKYDHQR EQELREWIEG VTGRRIGNNF MDGLKDGIL CEFINKLQPG SVKKVNESTQ NWHQLENIGN FIKAITKYGV KPHDIFEAND LFENTNHTQV QSTLLALASM AKTKGNKVN NVGVKYAEKQER RFEPEKLREG RNIIGLQMGT NKFASQQGMT AYGTRRHLYD PKLGTDQPLD QATISLQMGT NKGASQAGMT APGTRQIFE PGLGMEHCDT LNVSLQMGSN KGASQRGMTV YGLPRQVYDP KYCLNPEYPE LSEPTNHHP HNYYN SA</p> <p><b>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.</b></p>
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:

## Product Details

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- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	CNN1
Alternative Name:	Cnn1 ( <a href="#">CNN1 Products</a> )
Background:	Calponin-1 (Basic calponin) (Calponin H1, smooth muscle),FUNCTION: Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.
Molecular Weight:	33.4 kDa
UniProt:	<a href="#">Q08091</a>

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## 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.
Restrictions:	For Research Use only

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## 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