

## Recombinant Human CNN3

**Cat. No.** CNN3-26294TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Acidic Calponin with N terminal proprietary tag. Predicted MW 62.26 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	329 amino acids
<b>Description</b>	This gene encodes a protein with a markedly acidic C terminus; the basic N-terminus is highly homologous to the N-terminus of a related gene, CNN1. Members of the CNN gene family all contain similar tandemly repeated motifs. This encoded protein is associated with the cytoskeleton but is not involved in contraction.
<b>Molecular Weight</b>	62.260kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in both non-smooth muscle tissues as well as smooth muscle tissues.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids**

MTHFNKGPSYGLSAEVKNKIASKYDHQAEEDLRNWIEEVT GMSIGPNFQLGLKDGII  
 LCELINKLQPGSVKKVNESSLNW PQLNIGNFIKAIQAYGMKPHDIFEANDLFENGN  
 MTQVQT TLVALAGLAKTKGFHTTIDIGVKYAEKQTRRFDEGKCLKAG QSVIGLQMGT  
 NKCASQAGMTAYGTRRHLYDPKMQTDKPFQ QTTISLQMGTNKGASQAGMLAPGT  
 RRDYDQKLTLQPVDN STISLQMGTNKVASQKGMVYGLGRQVYDPKYCAAPTEP  
 V IHNGSQGTGTNGSEISDSYQAEYPDEYHGEYQDDYPRDY QYSDQGIDY

**Sequence Similarities**

Belongs to the calponin family.Contains 3 calponin-like repeats.Contains 1 CH (calponin-homology) domain.

## GENE INFORMATION

**Gene Name** CNN3 calponin 3, acidic [ Homo sapiens ]

**Official Symbol** CNN3

**Synonyms** CNN3; calponin 3, acidic; calponin-3;

**Gene ID** 1266

**mRNA Refseq** NM\_001839

**Protein Refseq** NP\_001830

**MIM** 602374

**Uniprot ID** Q15417

**Chromosome** 1p22-p21

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**Location**

**Function**

actin binding; actin binding; calmodulin binding; tropomyosin binding; troponin C binding;

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