

Recombinant Human CNN2

Cat. No. CNN2-28010TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CNN2 (amino acids 193-290) with a N terminal proprietary tag; Predicted MWt 36.41 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
Description	The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Heart and smooth muscle.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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Sequences of amino acids PKNHILPPMDHSTISLQMGTNKCASQVGMTAPGTRRHIYDTKLGTDKCDNSSMSLQ
MGYTQGANQSGQVFGGLGRQIYDPKYCPQGTVADGAPSGTGDC

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

GENE INFORMATION

Gene Name CNN2 calponin 2 [Homo sapiens]

Official Symbol CNN2

Synonyms CNN2; calponin 2; calponin-2;

Gene ID 1265

mRNA Refseq NM_004368

Protein Refseq NP_004359

MIM 602373

Uniprot ID Q99439

Chromosome Location 19p13.3

Pathway Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;

Function actin binding; calmodulin binding;

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