

Recombinant Human calponin 2, His-tagged

Cat. No. CNN2-482H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CNN2, 1-131aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-131 a.a.
Description	CNN2 protein, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. This protein could play a role in smooth muscle contraction and cell adhesion. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human CNN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.
Molecular Mass	16.9 kDa (154aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMSTQFN KGPSYGLSAE VKNRLLSKYD PQKEAELRTW IEGLTGLSIG PDFQKGLKDG TILCTLMNKL QPGSVPKINR SMQNWHQLEN LSNFIKAMVS YGMNPVDLFE ANDLFESGNM TQVQVSLAL AGKA
Purity	>95% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CNN2 calponin 2 [Homo sapiens]
Official Symbol	CNN2
Synonyms	CNN2; calponin 2; calponin-2; neutral calponin; calponin H2, smooth muscle;
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;