Recombinant Human CNN2, His-tagged

Cat. No. CNN2-5083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CNN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
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 SSGLVPRGSH MGSMSSTQFN KGPSYGLSAE VKNRLLSKYD PQKEAELRTW IEGLTGLSIG PDFQKGLKDG TILCTLMNKL QPGSVPKINR SMQNWHQLEN LSNFIKAMVS YGMNPVDLFE ANDLFESGNM TQVQVSLLAL AGKA
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE

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Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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;

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