

CNN2, 1-131aa Human, His tag, E.coli

Cat.NO.: TP01663

3th Edition

Synonyms: Calponin-2 isoform a, Calponin 2, Calponin H2, smooth muscle, Calponin-2, Neutral calponin

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 Weight: 16.9 kDa (154aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSSSTQFNKGPSYGLSAEVKNRLLSKYDPQKEAELRTWIEGLTGLSIGPDFQ
KGLKDGTILCTLMNKLQPGSVPKINRSMQNWHQLENLSNFIKAMVSYGMNPVDLFEANDLFESGNMTQVQVSLAL
AGKA

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.