

Recombinant human CNN2 protein

Catalog Number: ATGP2579

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-131aa

UniProt No.

Q99439

NCBI Accession No.

NP_004359

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

16.9 kDa (154aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

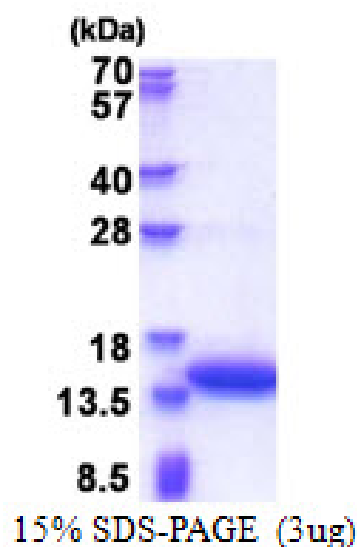
MGSSHHHHHH SSGLVPRGSH MGSMSTQFN KGPSYGLSAE VKNRLLSKYD PQKEAELRTW IEGLTGLSIG PDFQKGLKDG
TILCTLMNKL QPGSVPKINR SMQNWHQLEN LSNFIKAMVS YGMNPVDLFE ANDLFESGNM TQVQVSLAL AGKA

General References

Masuda H, Tanaka K, et al. (1996). J Biochem. 120(2):415-24.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.