

CNN1, 1-297aa, Human, His tag, E.coli

Cat.NO.: TP01662

3th Edition

Synonyms:Calponin-1, Sm-Calp, SMCC

Description:CNN1, also known as calponin-1, belongs to the calponin family. CNN1 is thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

Molecular Weight:34.2 kDa (305aa) confirmed by MALDI-TOF

Sequences:

MSSAHFNRRGPAYGLSAEVKKNLAQKYDHRQEQELREWIEGVTGRRIGNNFMDGLKDGIIILCEFINKLQPGSVKKINE
STQNWHLLENIGNFIKAITKYGVKPHDIFEANDLFENTNHTQVQSTLLALASMAKTGKNKVNVGVKYAEKQERKFEP
GKLREGRNIIIGLQMGTNKFASQQGMTAYGTRRHLYDPKLGTDQPLDQATISLQMGTNKGASQAGMTAPGTRQIF
EPGLGMEHCDTLNVSLQMGSNKGASQRGMTVYGLPRQVYDPKYCLTPEYPELGEPAHNHHAHNYNSALEHHH
HHH

Purity:> 95% by HPLC

Concentration:1 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.