

Product datasheet for PH305370

Calponin (CNN1) (NM_001299) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CNN1 MS Standard C13 and N15-labeled recombinant protein (NP_001290)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205370
Predicted MW:	33.2 kDa
Protein Sequence:	>RC205370 protein sequence Red=Cloning site Green=Tags(s) MSSAHFNRPAYGLSAEVKNKLAQKYDHQREQLREWIEGVTGRRIGNNFMDGLKDGIIILCEFINKLQPG SVKKINESTQNWHQLENIGNFIKAITKYGVKPHDIFEANDLFENTNHTQVQSTLLALASMAKTKGNKVN GVKYAEKQERKFEPGKLREGRNIIGLQMGTKNFASQQGMTAYGTRRHLYDPKLGTDQPLDQATISLQMG NKGASQAGMTAPGTRQIFEPGLGMEHCDLNVSLQMGSNKGASQRGMTVYGLPRQVYDPKYCLTPEYPE LGEPAHNHHAHNYNSA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001290</u>
RefSeq Size:	1599
RefSeq ORF:	891
Synonyms:	HEL-S-14; Sm-Calp; SMCC
Locus ID:	1264



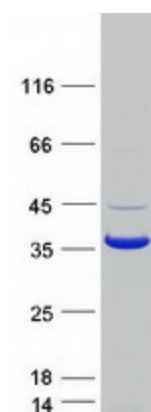
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UniProt ID: [P51911](#), [V9HWA5](#)

Cytogenetics: 19p13.2

Summary: 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. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified CNN1 protein (Cat# [TP305370]). The protein was produced from HEK293T cells transfected with CNN1 cDNA clone (Cat# [RC205370]) using MegaTran 2.0 (Cat# [TT210002]).