

## Product datasheet for PH321104

### CNN2 (NM\_004368) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CNN2 MS Standard C13 and N15-labeled recombinant protein (NP_004359)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221104
Predicted MW:	33.5 kDa
Protein Sequence:	>RC221104 representing NM_004368 Red=Cloning site Green=Tags(s)  MSSTQFNKGPSYGLSAEVKNRLLSKYDPQKEAELRTWIEGLTGLSIGPDFQKGLKDGITILCTLMNKLQPG SVPKINRSMQNWHQLENLSNFIKAMVSYGMNPVDLFEANDLFESGNMTQVQVSLALAGKAKTKGLQSGV DIGVKYSEKQERNFDDATMKAGQCVIGLQMGTNKASQSGMTAYGTRRHLYDPKNHILPPMDHSTISLQM GTNKCASQVGMTAPGTRRHIYDTKLGTDKCDNSSMSLQMGYTQGANQSGQVFGGLGRQIYDPKYCPQGTVA DGAPSGTGDCPDPGEVPEYPPYYQEEAGY  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_004359</a>
RefSeq Size:	2478
RefSeq ORF:	927
Locus ID:	1265
UniProt ID:	<a href="#">Q99439</a>

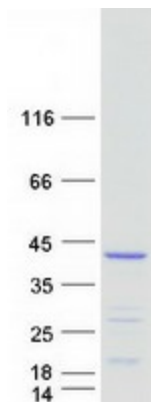


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Cytogenetics: 19p13.3

**Summary:** The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Several pseudogenes of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16, 21 and 22. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]

**Product images:**



Coomassie blue staining of purified CNN2 protein (Cat# [TP321104]). The protein was produced from HEK293T cells transfected with CNN2 cDNA clone (Cat# [RC221104]) using MegaTran 2.0 (Cat# [TT210002]).