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Datasheet for ABIN2713070 CNN2 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)

1	Image	
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Publication



Overview

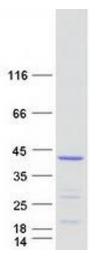
Quantity:	20 µg
Target:	CNN2
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNN2 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human Calponin-2 (transcript variant 1) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	CNN2
Alternative Name:	Calponin-2 (CNN2 Products)
Background:	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 gaps have been identified and are present on abromosomes 1, 2, 2, 6, 0, 11, 12, 15, 16

of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16,

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Target Details	
	21 and 22. Alternative splicing results in multiple transcript variants encoding different
	isoforms.
Molecular Weight:	33.5 kDa
NCBI Accession:	NP_004359
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.
Publications	
Product cited in:	Debald, Jin, Linke, Walgenbach, Rauch, Zellmer, Fimmers, Kuhn, Hartmann, Walgenbach-
	Brünagel: "Calponin-h2: a potential serum marker for the early detection of human breast
	aanaar ^o " in: Tumaur bielegu Val 25 Jaawa 11 nn 11101 7 (2014) (DubVad)

cancer?" in: Tumour biology, Vol. 35, Issue 11, pp. 11121-7, (2014) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

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