

## Product datasheet for **AR50408PU-N**

### Calponin-1 (1-297, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Calponin-1 (1-297, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSSAHFNRGP AYGLSAEVKN KLAQKYDHQR EQELREWIEG VTGRRIGNNF MDGLKDGIIIL CEFINKLQPG SVKKINESTQ NWHQLENIGN FIKAITKYGV KPHDIFEAND LFENTNHTQV QSTLLALASM AKTKGNKVVN GVKYAEKQER KFEPGKLREG RNIIGLQMGT NKFAQQQGMT AYGTRRHLYD PKLGTDQPLD QATISLQMGT NKGASQAGMT APGTKRQIFE PGLGMEHCDT LNVSLQMGSN KGASQRGMTV YGLPRQVYDP KYCLTPEYPE LGEPAHNHHA HNYYN <u>SALEH</u> <u>HHHHH</u>
Tag:	His-tag
Predicted MW:	34.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% Glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human CNN1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001290</a>
Locus ID:	1264
UniProt ID:	<a href="#">P51911</a> , <a href="#">V9HWA5</a>
Cytogenetics:	19p13.2
Synonyms:	HEL-S-14; Sm-Calp; SMCC



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**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:**