

## Product datasheet for **AR50408PU-S**

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

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Calponin-1 (1-297, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	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 HNYNSALEH <u>HHHHH</u>
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	34.2 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	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
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant Human CNN1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001290</a>
<b>Locus ID:</b>	1264
<b>UniProt ID:</b>	<a href="#">P51911</a> , <a href="#">V9HWA5</a>
<b>Cytogenetics:</b>	19p13.2
<b>Synonyms:</b>	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:**