

## Product datasheet for **TP762396**

### Calponin (CNN1) (NM\_001299) Human Recombinant Protein

#### Product data:

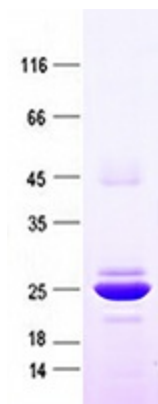
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human calponin 1, basic, smooth muscle (CNN1), Leu67-Gly257, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (Leu67-Gly257) of Calponin1
Tag:	N-His
Predicted MW:	20.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	>80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001290</a>
Locus ID:	1264
UniProt ID:	<a href="#">P51911</a> , <a href="#">V9HWA5</a>
RefSeq Size:	1599
Cytogenetics:	19p13.2
RefSeq ORF:	891
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:**

Purified recombinant protein CNN1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.