

Product datasheet for **RC205370L4V**

Calponin (CNN1) (NM_001299) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Calponin (CNN1) (NM_001299) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calponin
Synonyms:	HEL-S-14; Sm-Calp; SMCC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001299
ORF Size:	891 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205370).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001299.4
RefSeq Size:	1599 bp
RefSeq ORF:	894 bp
Locus ID:	1264
UniProt ID:	P51911
Cytogenetics:	19p13.2
Domains:	calponin, CH
MW:	33.2 kDa


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Gene 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]