

## Product datasheet for **RC237216**

### Acidic Calponin (CNN3) (NM\_001286056) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acidic Calponin (CNN3) (NM_001286056) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNN3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237216 representing NM_001286056 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGCATTGGCCCCAACTTCCAGCTGGGCTTAAAGGATGGCATCATCCTCTGCGAACTTATAAACAAGC  
TACAGCCAGGCTCAGTGAAGAAGGTCAACGAGTCCTCACTGAAGTGGCTCAGTTGGAGAATATTGGCAA  
CTTTATTAAGCTATTCCAGGCTTATGGTATGAAGCCACATGACATATTCGAAGCAAATGATCTTTTTGAG  
AATGGAAACATGACCCAGGTTCACTACTCTGGTGGCTCTAGCAGGCTGGCTAAAACAAAAGGATTCC  
ATACAACCATTGACATTGGAGTTAAGTATGCAGAAAAACAACAAGACGTTTTGATGAAGGAAAATTA  
AGCTGGCCAAAGTGAATTGGTCTGCAGATGGGAACCAACAAATGTGCCAGCCAGGCAGGTATGACAGCT  
TACGGGACTAGGAGGCATCTTTATGATCCCAAAATGCAAACTGACAAACCTTTTGACCAGACCACAATTA  
GTCTGCAGATGGGCACTAATAAAGGAGCCAGCCAGGCAGGGATGTTAGCACCAGGTACCAGAAGAGACAT  
CTATGATCAGAAGCTAACATTACAGCCGGTGGACAACCGACAATTTCCCTACAGATGGGTACCAACAAA  
GTTGCTTCCAGAAAGGAATGAGTGTGTATGGGCTTGGGCGCAAGTATATGATCCCAAACTACTGTGCTG  
CTCCTACAGAACCTGTCATTCAACGGAAGCCAAGGAACAGGAACAAATGGTTCGAAAATCAGTGATAG  
TGATTATCAGGCAGAATACCCTGATGAGTATCATGGCGAGTACCAGGATGACTACCCAGAGATTACCAA  
TATAGCGACCAAGGCATTGATTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237216 representing NM\_001286056  
 Red=Cloning site Green=Tags(s)

MSIGPNFQLGLKDGII LCELINKLQPGSVKKNVSSLNWPQLENIGNFIKAIQAYGMKPHDIFEANDLFE  
 NGNMTQVQTTLVALAGLAKTKGFHTTIDIGVKYAEKQTRRFDEGKLKAGQSVIGLQMGTNKCASQAGMTA  
 YGTRRHLYDPKMQTDKPFDQTTISLQMGTNKGASQAGMLAPGTRRDIYDQKLTLPVDNSTISLQMGTNK  
 VASQKGMSSVYGLGRQVYDPKYCAAPTEPVIHNGSQGTGTNGSEISDSYQAEYPDEYHGEYQDDYPRDYQ  
 YSDQGIDY

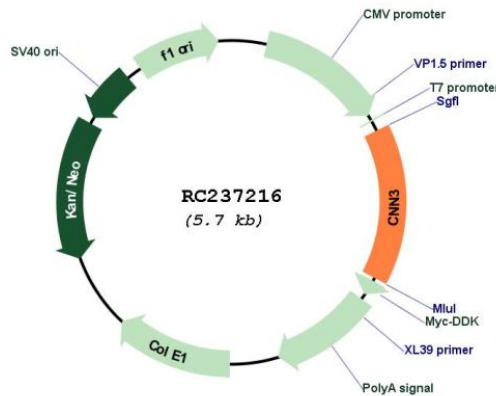
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286056

<b>ORF Size:</b>	864 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286056.1</a> , <a href="#">NP_001272985.1</a>
<b>RefSeq Size:</b>	1902 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	1266
<b>UniProt ID:</b>	<a href="#">Q15417</a>
<b>Cytogenetics:</b>	1p21.3
<b>MW:</b>	32.2 kDa
<b>Gene Summary:</b>	This gene encodes a protein with a markedly acidic C terminus; the basic N-terminus is highly homologous to the N-terminus of a related gene, CNN1. Members of the CNN gene family all contain similar tandemly repeated motifs. This encoded protein is associated with the cytoskeleton but is not involved in contraction. [provided by RefSeq, Jul 2008]