

Product datasheet for **SC118982**

Acidic Calponin (CNN3) (NM_001839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acidic Calponin (CNN3) (NM_001839) Human Untagged Clone
Tag:	Tag Free
Symbol:	Acidic Calponin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118982 sequence for NM_001839 edited (data generated by NextGen Sequencing)

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ATGACCCACTTCAACAAGGGCCCTTCTATGGGCTCTCGGCCAAGTCAAGAACAAGATT
GCTTCCAAGTATGATCATCAGGCAGAAGAAGATCTTCGCAATTGGATAGAAGAGGTGACA
GGCATGAGCATTGGCCCCAATTCCAGCTGGGCTTAAAGGATGGCATCATCCTCTGCGAA
CTTATAACAAGCTACAGCCAGGCTCAGTGAAGAAGGTCAACGAGTCCTCACTGAACTGG
CCTCAGTTGGAGAATATTGGCAACTTTATTAAGCTATTCAGGCTTATGGTATGAAGCCA
CATGACATATTCGAAGCAAATGATCTTTTTGAGAATGGAAACATGACCCAGGTTCCAGACT
ACTCTGGTGGCTCTAGCAGGTCTGGCTAAAACAAAAGGATTCCATACAACCATTGACATT
GGAGTTAAGTATGCAGAAAAACAACAAGACGTTTTGATGAAGGAAAATTTAAAGCTGGC
CAAAGTGAATTGGTCTGCAGATGGGAACCAACAATGTGCCAGCCAGGCAGGTATGACA
GCTTACGGGACTAGGAGGCATCTTTATGATCCCAAAATGCAAACCTGACAAACCTTTTGAC
CAGACCACAATTAGTCTGCAGATGGGCACTAATAAAGGAGCCAGCCAGGCAGGGATGTTA
GCACCAGTACCAGAAGAGACATCTATGATCAGAAGCTAACATTACAGCCGGTGGACAAC
TCGACAATTTCCCTACAGATGGGTACCAACAAAGTTGCTTCCCAGAAAGGAATGAGTGTG
TATGGGCTTGGCGCAAGTATATGATCCCAAATACTGTGCTGCTCTACAGAACCTGTC
ATTCACAACGGAAGCCAAGGAACAGGAACAAATGGTTCGGAATCAGTGATAGTGATTAT
CAGGCAGAATACCCTGATGAGTATCATGGCGAGTACCAGGATGACTACCCAGAGATTAC
CAATATAGCGACCAAGGCATTGATTATTAG
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Clone variation with respect to NM_001839.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001839 unedited
 CGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCAGCGGAGCTCGAGGCTCTGTAGCA
 CCCAGTTGGACCCAGTCGCCAGGCACCCGCCGCCCGCGCCGCTCTCCTGCGCCTCC
 CAGAGGAGGGAGTTTCGAGCATCCCCCGCGGCCACTCCTCGGGGCCAGGAGCGGGGAA
 GCGAAGTGCAGAGACCCCGACCCAGCGCTGTCTTCCCGCCGCCGAACCACCATG
 ACCCACTTCAACAAGGGCCCTTCTATGGGCTCTCGGCCGAAGTCAAGAACAAGATTGCT
 TCCAAGTATGATCATCAGGCAGAAGAAGATCTTCGCAATTGGATAGAAGAGGTGACAGGC
 ATGAGCATTGGCCCACTTCCAGCTGGGCTTAAAGGATGGCATCATCCTCTGCGAACTT
 ATAAACAAGCTACAGCCAGGCTCAGTGAAGAAGGTCAACGAGTCTCACTGAACTGGCCT
 CAGTTGGAGAATATTGGCAACTTTATTAAGCTATTTCAGGCTTATGGTATGAAGCCACAT
 GACATATTCGAAGCAAATGATCTTTTTGAGAATGGAAACATGACCCAGGTTTCAGACTACT
 CTGGTGGCTCTAGCAGGCTGGCTAAAACAAAAGGATTCTACAACCATTGACATTGGAG
 TTAAGTATGCAGAANAACAAACAAGACGTTNTGATGAAGGAAAATTAAGCTGGCCAA
 AGTGAATTGGTCTGCAGATGGGAACCAACANATGTGCCAGCCANNGCAGTATGACAGCT
 TACGGGACTAGGAGGCATCTTTATGATCCANAATGCAACTGACAACCTTTTGACCAGAC
 ACCATTAGTCTGCAGATGGGCACTANTAAGGAGCCAGCAGCAGGGATGNTAGCACCC
 AGTACCAGAGAGACATTCATGATCAGAAGCTACATTACAGCCGGTGGACACTCGACATTT
 CCTACGAATGGTCAAACAAGATGCTTCAAAGGGATGAATGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001839 unedited
 CCCCCCCCCCTCCACCACCATCCCTTACTTGCCCGCGCCGATTCTANGATCGGT
 TTTTTTTTTTTTTTCCACTGATCATGACTTTATTTAAAAATTAGCAACAATACTGTA
 GAAACATTGATATGTAATTTCTAAAATGCTGCATCTTAAATTTAGTTGGCAAAGACCAC
 ATTTAGCAATAAGCATGAGTTTGTAGTCTTCCATGTAGAAACCAGATACACTAAACTGCAAA
 AAAAAAAAAAAAAAAGTTTCTTATTGTTTGAATAACAGTTTAAATAAGATTGCAAAA
 ATGCATAGATTTTTGCATAAAAAGAACTGGCTGTACAAGAGTACTCCCTTTCACAGTATT
 CCTTTTTACTTCATATGCGAGTTATTGATTATGCTGCAGGATTTAACTATTACAGCACTA
 AAAGGCAACTATTGAGGGAAGAGGCAGAAAAAGGAAACAGGAATGTACGTAAGGCAATTT
 TTCTTAAAGTACAATAAGCTCAATAGTGTTTAGGAACACAAGATAAAAATTACTCACG
 GCTAGCTTGGTTCTCACTGAATAAAAACAAGGACTAAATACTGAGCTCCTTCTGTGTGG
 ATCTAATAATCCATGCCCTTGTCCGCTATATTGGTAACTCTCTGGCGCAGTCATCTGG
 CACTCCCATGATACTCACCAGGATTCTGCCTGAAATCACTTCACTGATTTCCGACCAC
 TTGTTCTGTTCTTGGCTTCCGTTGGAAAGACAGGTTCTGTAGGAGCCACACAGTTTGG
 GAATATTTACTTGCCCGCAAGCCATTCCCTCCATTCTTTTTGGGAAACACATTTGTT
 GTTACCCCTTCTGTAGGAAAATCGTCCAATTTCCCCCGGCTGGAAAGGTAACCTTCCG
 ACAATAAAGCTCCTTTCTGGGCCCTGGGCGCTAACACCCCTCGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_001839

Insert Size:

1790 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001839.2](#), [NP_001830.1](#)

RefSeq Size: 2045 bp

RefSeq ORF: 990 bp

Locus ID: 1266

UniProt ID: [Q15417](#)

Cytogenetics: 1p21.3

Domains: calponin, CH

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.