

Product datasheet for MC200517

Cnn2 (BC008181) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnn2 (BC008181) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnn2
Synonyms:	AA408047; AI324678; Calpo2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC008181
GCTCCACGCAGTTCAACAAGGGCCCGTCTACGGGCTCTCGGCCGAGGTCAAGAACCGGCTCCTGTCCAA
ATATGGCCCCAAAAGGAAGCAGAAGCTCCGAAGCTGGATAGAGGGACTCACGGGCTCTCCATTGGCCCT
GACTTCCAGAAGGGTCTGAAAGATGGGGTTATCCTATGCACACTCATGAACAAGCTGCAGCCAGGCTCCG
TCCCCAAAATCAACCGCTCTATGCAAACTGGCACCAGCTAGAAAATCTCTCAACTTCATCAAGGCCAT
GGTCAGCTACGGCATGAACCCTGTGGACCTGTTTGAGGCCAATGACCTGTTTCGAGAGCGGGAACATGACA
CAGGTGCAAGTGTCTCTGCTTGCCTGGCTGGAAAGGCCAAGACCAAGGGGCTGCAGAGTGGTGTGGACA
TTGGAGTTAAGTATTCGGAGAAACAGGAGAGGAACTTTGACGACGCCACCATGAAGGCCGCCAGTGCCT
CATCGGGTGCAGATGGGCACCAACAAGTGTGCCAGCCAGTCTGGCATGACAGCCTATGGTACCAGGAGA
CATCTCTATGACCCTAAGAACCATATCCTGCCTCCATGGACACTGCACCATCAGCCTCCAGATGGGCA
CCAACAAGTGTGCCAGCCAGGTGGGCATGACAGCTCCAGGGACCCGGAGGCACATCTATGACACCAAGCT
GGGCACCGACAAGTGCACAACTCTTCCATGTCCCTGCAGATGGGCTACACGCAGGGCGCCAACCCAGAGC
GGTCAGGTCTTCGGACTGGGGCGGCAGATCTACGATCCCAAGTATTGCCACAGGGCTCTGCAGCTGATG
GGGCTCCTGCGGGTGACGGCCAAGGCGAGGCCCCAGAGTACCTGGCCTACTGCCAGGAGGAAGCCGGCTA
CTGAGCACCCAGCATGCCAGTCCCCACTGCATCAGCAGCCCTGTGTGGGCTTTGGGGTTTTATTGTG
TTTTGTGTTTGGAACTGGTCATCTCTTTGTATCTCTCTCTGGCCTGGAACACTCACTGCAATCCTCCTGCC
TCAGCTTCCTAAGGGCTGGGATGACAGATCTGTGCTATCTATGCTCCTCCTCACCCACCATGCCTCGT
TCCTTCCCAGGATTGACCACCAGACAGGGGACATGGGTGTCCTTGGTGGGACAGTGAGGCTGTGCGTTT
CCCAGTGGGCTGTGGGAGAGGCTGGCCCCAATGGGCTTCTGTTTCTTTCATCTCTTTCACATCAGTTTGT
GGTTTGTGAACCCGGGAAATTACAGGCAGTTTCAATGAAAGAAAACAAGGGGTTTTGTGGGGTTTTGC
CTCAAAAGTATTGGAGTACACTAGGCTTTAAAATACTGCAGGCATTCTGAGGGACTAAGTTTGCTTTCCC
ACGACTCTCAGACTTCACCCTCCTGTGCCCGTGGGAAACTGAGGCAAGCCAGATGTGACCCCAACGCC
TGCAGCCCTCTCACTCCTCTGGTGTGTTGAAGGCTTCCCTGCCCTGTGCAGGCCCTGATTAGGTGTGC
TAGAGTCTGGGCTCGGAAGGGGCCACACATGGCCACACGGGCCCTGCACTGCCAGAAAATGTGAAAT
TCCCTGTGTGGACCAAAAACAACAACAACAAAAAACAACAAAAAACAACAAAAAACAATAAAACCTCTGTTT
CTAAGAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	BC008181
Insert Size:	729 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:	<ol style="list-style-type: none">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:	<u>BC008181</u> , <u>AAH08181</u>
RefSeq Size:	1724 bp
RefSeq ORF:	729 bp
Locus ID:	12798
Cytogenetics:	10 C1
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.[UniProtKB/Swiss-Prot Function]