

Product datasheet for MC200680

Cnn2 (NM_007725) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cnn2 (NM_007725) 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: >BC009144 sequence for NM_007725
 TGGTCCTCCTGTCCCGCTCCGGGGTCCCGCGCCATGAGCTCCACGCGATTCAACAAGGGCCCGTCTACG
 GGCTCTCGGCGGAGGTCAAGAACCGGCTCCTGTCCAAATATGACCCCAAAGGAAGCAGAAGTCCGAAG
 CTGGATAGAGGGACTCAGGGCCTCTCCATTGGCCCTGACTTCCAGAAGGGTCTGAAAGATGGGGTTATC
 CTATGCACACTCATGAACAAGCTGCAGCCAGGCTCCGTCCTAAAATCAACCGCTCTATGCAGAAGTGGC
 ACCAGCTAGAAAACTCTCCAATTCATCAAGGCCATGGTCAAGTACGGCATGAACCCTGTGGACCTGTT
 TGAGGCCAATGACCTGTTGAGAGCGGGAACATGACACAGGTGCAAGTGTCTCTGCTTGCAGTGGCTGGA
 AAGGCCAAGACCAAGGGGCTGCAGAGTGGTGTGGACATTGGAGTTAAGTATTCGGAGAAACAGGAGAGGA
 ACTTTGACGACGCCACCATGAAGGCCGGCCAGTGCCTCATCGGGTGCAGATGGGCACCAACAAGTGTGC
 CAGCCAGTCTGGCATGACAGCCTATGGTACCAGGAGACATCTCTATGACCCCAAGAACCATATCCTGCCT
 CCCATGGACCACTGCACCATCAGCCTCCAGATGGGCACCAACAAGTGTGCCAGCCAGGTGGGCATGACAG
 CTCCAGGGACCCGAGGCACATCTATGACACCAAGCTGGGCACCGACAAGTGCAGCAACTCTCCATGTC
 CCTGCAGATGGGCTACACGCAGGGCGCCAAACAGAGCGGTGAGGTCTTCGGACTGGGGCGGCAGATCTAC
 GATCCCAAGTATTGCCACAGGGCTCTGCAGTGCAGGGGCTCCTGCGGGTGACGGCCAAGGCGAGGGCC
 CAGAGTACCTGGCCTACTGCCAGGAGGAAGTGGCTACTGAGCACCCAGCATGCCAGTCCCCACTGCA
 TCAGCAGCCCTGTGTGGGCTTTGGGGTTTTATTGTGTTTTGTGTTTGGAAACTGGTCACTCTTTGTAT
 CTCTCTGGCCTGGAATCACTGCAATCCTCCTGCCTCAGCTTCTAAGGGCTGGGATGACAGATCTGT
 GCTATCTATGCTCCTTCTCACCACCATGCCTCGCTTCTCCAGGATTGACCACAGACAGGGGAC
 ATGGGTGTCCTTGGTGGACAGTGAAGCTGTGCGTTTTCCAGTGGGCTGTGGGAGAGGCTGGCCCAATG
 GGCTTCTGTTTTCTCATCTCTTTCACATCAGTTTGTGGTTTTGTAACCCGGGAAATTACAGGCAGTTT
 CAATGAAAGAAAACAAGGGTTTTGTGGGGTTTTGCCTCAAAGTATTGGAGTACACTAGGCTTTAAAA
 TACTGCAGGCATTCTGAGGGACTAAGTTTGCTTTCCACGACTCTCAGACTTACCCTCCTGTGCCCGT
 GGGGAACTGAGGCAAGCCAGATGTGACCCCAACGCTGCAGCCCTCCCTCACTCCTCTGGTGTGTTGAAG
 GCTTCCCTGCCCTGTGCAGGCCCTGATTAGGTGTGCTAGAGTCTGGGCTCGGAAGGGGCCACACATGA
 CCCACACGGGGCCCTGCACTGCCAGAAAATGTGAAATTCCTGTGTGGACCAAAAAACAAAAA
 AAAAAACAAAAACAAAAACAAAAACAATAAAAACTCTGTTTCTAAGAGTAAAGTAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_007725
Insert Size:	918 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:	BC009144 , AAH09144
RefSeq Size:	1753 bp
RefSeq ORF:	918 bp
Locus ID:	12798
UniProt ID:	Q08093
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]