

## Product datasheet for MC207711

### Cnn3 (NM\_028044) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cnn3 (NM\_028044) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cnn3  
**Synonyms:** 1600014M03Rik; C85854; Calpo3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207711 representing NM\_028044  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCACTTCAACAAGGGCCCTTCTACGGCTCTCCGCCGAAGTTAAGAACAAGATTGCATCCAAGT  
 ATGACCAGCAGGCCGAGGAAGATCTGCGCAACTGGATAGAAGAGGTGACAGGCCTAGGCATTGGCACCAA  
 CTTCAGCTGGGGCTGAAGGACGGCATCATATTGTGCGAACTCATAAACAAGCTACAGCCAGGCTCTGTG  
 AAGAAAGTCAACGAATCCTCACTAAATTGGCCCCAGTTGGAGAATATCGGCAACTTCATTAAGCTATCC  
 AGGCTTACGGTATGAAGCCCCATGATATATTTGAAGCAAACGACCTCTTTGAGAATGGCAACATGACCCA  
 GGTTACAGACGACGCTGGTGGCTCTAGCAGGTCTGGCGAAAAACAAAGGATTCCATACAACCATTGACATT  
 GGCGTTAAGTATGCAGAAAAACAAAGACGTTTTGATGAAGGCAAATTAAGGCTGGCCAGAGTGTA  
 TTGGTTTACAGATGGGTACCAACAAATGTGCCAGCCAGGCGGCCATGACAGCCTATGGGACTCGGAGGCA  
 TCTTTATGATCCAAGATGCAGACGGACAAACCCTTTGACCAGACCAGATTAGCCTGCAGATGGGCACC  
 AACAAAGGGGCCAGCCAGGCTGGGATGTTAGCACCGGCCACCAGAAGAGACATCTATGACCAGAAGCTGA  
 CATTACAGCCAGTGACAACCTCGACCTTCTCTACAGATGGGCACCAACAAAGTTGCTTCCAGAAAGG  
 AATGAGCGTGATGGGCTTGGGCGCAAGTATATGACCCCAAGTACTGTGCCGCACCCACAGAACCTGTC  
 ATTCACAACGGAAGCCAGGGCACGGCACCAATGGGTCGGAAATCAGTGATAGCGATTATCAGGCAGAAT  
 ACCCCGATGAATATCATGGCGAGTACCCAGACGACTACCTCGGGAGTACCAGTATGGCGACGACCAGGG  
 CATTGATTATTAG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_028044



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<b>Insert Size:</b>	993 bp
<b>OTI Disclaimer:</b>	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).
<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_028044.2</a> , <a href="#">NP_082320.1</a>
<b>RefSeq Size:</b>	2003 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	71994
<b>UniProt ID:</b>	<a href="#">Q9DAW9</a>
<b>Cytogenetics:</b>	3 G1
<b>Gene Summary:</b>	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]