

Product datasheet for MC208305

Cnn1 (NM_009922) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnn1 (NM_009922) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnn1
Synonyms:	CN; Cnnl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208305 representing NM_009922 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTTCTGCACATTTTAACCGAGGTCCTGCCTACGGCTTGTCTGCTGAAGTAAAGAACAAGCTGGCCC
AGAAATACGACCATCAGCGGGAGCAGGAGCTGAGAGAGTGGATTGAGGGGTGACAGGCCGGCGCATCGG
GAACAACCTCATGGATGGCCTCAAAGACGGGATCATTCTTTGCGAATTTATCAACAAGCTGCAGCCGGT
TCTGTGAAGAAGGTCAATGAGTCAACTCAGAAGTGGCACCAGCTGGAGAACATAGGTAATTTATCAAAAG
CCATTACCAAGTATGGGGTGAACCCACGACATCTTTGAGGCCAACGACCTGTTTGAAACACCAACCA
TACACAAGTTCAGTCCACTCTCCTGGCTCTGGCCAGCATGGCCAAGACAAAAGGAAACAAAGTCAATGTG
GGAGTCAAGTATGCAGAGAAACAAGAGCGGAGATTTGAGCCGGAGAAGTTGAGAGAAGGCAGGAACATCA
TTGGACTGCAGATGGGCACCAACAAGTTTGCCAGTCAGCAGGGCATGACGGCCTACGGTACACGGCGTCA
CCTCTATGATCCCAAACTGGGTACAGATCAGCCTCTGGACCAGGGCACCATCAGCCTGCAGATGGGCACC
ACAAGGGTGCCAGCCAGGCTGGCATGACTGCACCAGGCACCAAGCGGCAGATCTTTGAGCCAGGTCTGG
GCATGGAACACTGCGACACACTCAACGTCAGCTGCAGATGGGCAGCAACAAGGGGGCTCCAGAGGGG
CATGACAGTGTATGGGCTTCTCGCCAGGTGTACGATCCCAAGTACTGCCTGAACCCGGAGTACCCAGAG
CTGAGTGAGCCCAACCAATCACCACCCGACAACACTACTACAACCTCTGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_009922
Insert Size:	894 bp



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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:	NM_009922.4 , NP_034052.3
RefSeq Size:	1987 bp
RefSeq ORF:	894 bp
Locus ID:	12797
UniProt ID:	Q08091
Cytogenetics:	9 A3
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]