

Product datasheet for **MC222066**

Cnm2 (NM_001102471) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnm2 (NM_001102471) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnm2
Synonyms:	Acdp2; AU015877; AW048635; Clp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222066 representing NM_001102471
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGGCTGTGGCGCTTGTGAACCCGAAGTAAAGATGGCGGGCGGCCAGGCAGCCGCCCACTGCCCA
 CTTGGAAGATGGCGGCGCGCCGACGCTCAGTCCCGCGGCCGGGGGTCTGCAAGCAGCTGCGGGCCG
 GCTGCTGCCGCTGCTACTGCTGAGCTGCTGCTGGGGAGCGGGCGGCTGCACAGCGCCGGCGAGAACGAG
 GAGACCGTGATCATCGGGCTGCGGCTGGAGGATACGAACGACGTGTGTTTCATGGAAGGGGTGCTCTGC
 GGGTGAGCGAGCGGACCCGGGTCAAGCTGCGGGTGTACGGGCAGAACATCAACAACGAGACGTGGTCCCG
 CATCGCCTTCACTGAGCAGGCGCGCCGGCACACACCCAGCGAGCGTGGGCTGGGGGGCCCCGCGCT
 CCGGAGCCGGACAGCGCCCCAGCGCTGCGGCATCCGCACCTCAGACATCATCATCTTGCCCCACATCA
 TTCTCAATCGCCGACATCGGGCATCATCGAGATCGAGATTAACCGCTGCGCAAGATGGAGAAGAGCAA
 GTCTTATTACCTGTGACGTCTCTCCACGCCGCACTAGGCGCCGGCGGCTCCGGGTCTGCGAGTGGC
 ACCGTGCGGGGCAAGGGTGGCGCGGGGGTGGCCGACTCCCGCTCCTCGTGGGCCGAGACCACCTGGA
 TTTACCACGACGGTGAGGACACCAAGATGATAGTGGGCGAGGAGAAGAAGTTCTTGTGCCCTTCTGGCT
 GCAAGTGATCTTCATCTCGCTGCTGTGCTGTGCGGCATGTTGAGCGGCTCAACCTGGGGCTCATG
 GCTCTGGACCCGATGGAGCTGCGCATCGTCAAAACTGCGGCACGGAGAAAGAGAAGAATTATGCCAAGC
 GCATCGAGCCGGTGGCAGGCGAGGCAACTACCTGCTGTGCTCGTGTGCTGGGCAACGTAAGTGGTCAA
 CACCACGCTCACCATCCTGCTGGACGACATTGCGGGCTCAGGCCCTGTGGCGGTGGTGGTCTCCACCATT
 GGCATCGTCATCTTCGGAGAAATCGTCCCAAGCCATCTGCTCCCGACACGGCCTGGCGGTAGGGGCCA
 ACACCATCTTCTCACCAGTCTTTCATGATGATGACATTCCTCCGCTTCTTATCCGGTTAGCAAATCT
 GGACTGCGTCTGGGCCAGGAGATAGGCACGGTCTATAACCGGGAAAAACTGCTGGAGATGCTCCGGTT
 ACTGACCCTATAACGACCTCGTTAAGGAAGAGCTGAACATCATCCAAGGGCGCTGGAGCTCCGACCA
 AGACGGTGGAGGACGTGATGACTCCCTCAGGGACTGCTTCATGATAACCGGCGAGGCTATCCTGGACTT
 CAACACCATGTCGGAGATCATGGAGAGTGGCTACACTCGAATCCCGGTGTTGAGGGAGAACGTTCCAAC
 ATCGTGGACCTGCTTTTGTCAAAGACTTGGCCTTCGTGGATCCGGATGACTGTAATCCCTTGAACCA
 TCACCAAGTTTACAATCACCCTTTCGACTTCTGTTTTCAACGACACCAAGTTGGACGCTATGCTGGAAGA
 ATTTAAGAAAGGAAATCCACCTGGCCATTGTGCAGCGAGTGAACAATGAGGGTGAAGGGGACCCATTT
 TATGAAGTTCTGGGAATTGTACCTTGAAGATGTGATTGAAGAAATCATCAAATCTGAAATCTTGGATG
 AGACAGACCTGTACACCGATAACAGAACAAGAAAGTGGCCACCGTGAAAGAAAGCAAGATTTCTC
 TGCCTTAAGCAGACGGACAGCGAGATGAAGGTTAAAATATCACCGCAGCTTCTCCTGGCCATGCACCGT
 TTCTAGCAACAGAAGTAGAAGCGTTTAGCCATCCCAGATGTCAGAGAAGATCCTCCTAAGGCTGCTAA
 AGCACCCCAATGTCATCCAGGAGCTGAAGTACGACGAGAAGAACAAGAAAGCCCTGAGTGTACCTCTA
 CCAGCGGAACAAGCCGTAGACTACTTCGTCCTCATTCTTCAGGGGAAGGTGGAGGTGGAAGCTGGGAAA
 GAAGGCATGAAGTTTGAAGCCAGCGCTTCTCCTACTATGGTGTGATGGCCCTCACAGCCTCTCCAGGG
 AAAATAAGTCACTCCTCGCCCCTGTGGCTGAATCACTCAGATTCTCTCAGTGGAGCGACCGGATTGA
 CGCCATGACGCCAACCTTGGGGAGCAGCAACAACCAGCTCAGCTTTCCTTCAAGTCTACATCCCT
 GACTACTCAGTACGAGCCCTCTCTGACCTACAGTTCGTCAGATCTCCAGACAGCAATACCAAAATGCGCT
 TGATGGCTCTCGGATGGACAAAACGCCTCAGTCTTCAGACAGTAAAAATACTAAAATGAAATTGACTCT
 TACGGAGCTGCATGACGGCTTGCCAGATGAGACGGCCAACTTGCTCAATGAACAGAACTGTGTGTACAC
 AACAAAGGCCAACACAGCCTGCACAGTGAAGGCCCAT**C****TA****G**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001102471
Insert Size: 2562 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:	NM_001102471.1 , NP_001095941.1
RefSeq Size:	3264 bp
RefSeq ORF:	2562 bp
Locus ID:	94219
UniProt ID:	Q3TWN3
Cytogenetics:	19 38.97 cM
Gene Summary:	Divalent metal cation transporter. Mediates transport of divalent metal cations in an order of Mg(2+) > Co(2+) > Mn(2+) > Sr(2+) > Ba(2+) > Cu(2+) > Fe(2+).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.