

Product datasheet for **MC222338**

Cnm2 (NM_033569) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnm2 (NM_033569) 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: >MC222338 representing NM_033569
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGGCTGTGGCGCTTGTGAACCCGAAGTAAAGATGGCGGGCGGCCAGGCAGCCGCCCACTGCCCA
 CTTGGAAGATGGCGGCGGCCGAGCCTCAGTCCCGCGGCCGGGGGTCTGCAAGCAGCTGCGGGCCG
 GCTGCTGCCGCTGCTACTGCTGAGCTGCTGCTGGGGAGCGGGCGGCTGCACAGCGCCGGCGAGAACGAG
 GAGACCGTGATCATCGGGCTGCGGCTGGAGGATACGAACGACGTGTCTTTCATGGAAGGGGGTCTCTGC
 GGGTGAGCGAGCGGACCCGGGTCAAGCTGCGGGTGTACGGGCAGAACATCAACAACGAGACGTGGTCCCG
 CATCGCCTTCACTGAGCAGGCGGCCGCCACACCCAGCGAGCGTGGGCTGGGGGGCCCCGCGCCT
 CCGGAGCCGACAGCGGCCCCAGCGCTGCGGCATCCGCACCTCAGACATCATCATCTTGCCCCACATCA
 TTCTCAATCGCCGACATCGGGCATCATCGAGATCGAGATTAACCGCTGCGCAAGATGGAGAAGAGCAA
 GTCTTATTACCTGTGACGTCTCTCCACGCCCGCACTAGGCGCCGGCGGCTCCGGGTCTGCGAGTGGC
 ACCGTGCGGGGCAAGGGTGGCGCGGGGGTGGCCGACTCCCGCCTCCTCGTGGGCCGAGACCACCTGGA
 TTTACCACGACGGTGAGGACACCAAGATGATAGTGGGCGAGGAGAAGAAGTTCTTGTGCCCTTCTGGCT
 GCAAGTGATCTTCATCTCGCTGCTGTGCTGTGCGGCATGTTGAGCGGCCTCAACCTGGGGCTCATG
 GCTCTGGACCCGATGGAGCTGCGCATCGTGCAAACTGCGGCACGGAGAAAGAGAAGAATTATGCCAAGC
 GCATCGAGCCGGTGGCAGGCGAGGGCAACTACCTGCTGTGCTCGCTGCTGCTGGGCAACGTAAGTGGTCAA
 CACCACGCTCACCATCCTGCTGGACGACATTGCGGGCTCAGGCCCTGTGGCGGTGGTGGTCTCCACCATT
 GGCATCGTCATCTCGGAGAAATCGTGCCCAAGCCATCTGCTCCCGACACGGCCTGGCGGTAGGGGCCA
 ACACCATCTTCTCACCAGTTTTTTCATGATGATGACATTCCTCCGCTTCTTATCCGGTTAGCAAATGCT
 GGACTGCGTCTGGGCCAGGAGATAGGCACGGTCTATAACCGGGAAAACTGCTGGAGATGCTCCGGTT
 ACTGACCCTATAACGACCTCGTTAAGGAAGAGCTGAACATCATCCAAGGGCGCTGGAGCTCCGACCA
 AGACGGTGGAGGACGTGATGACTCCCTCAGGGACTGCTTCATGATAACCGGCGAGGCTATCCTGGACTT
 CAACACCATGTCGGAGATCATGGAGAGTGGCTACACTCGAATCCCGGTGTTGAGGGAGAACGTTCCAAC
 ATCGTGGACCTGCTCTTGTCAAAGACTTGGCCTTCGTGGATCCGGATGACTGTACTCCCTTGAAAACCA
 TCACCAAGTTTTACAATCACCCTTTCGACTTCTGTTTTCAACGACACCAAGTTGGACGCTATGCTGGAAGA
 ATTTAAGAAAGGGAAATCCACCTGGCCATTGTGACGCGAGTGAACAATGAGGGTGAAGGGGACCCATTT
 TATGAAGTCTGGGAATTGTACCTTGAAGATGTGATTGAAGAAATCATCAAATCTGAAATCTTGGATG
 AGACAGACCTGTACACCGATAACAGAACAAGAAAGTGGCCACCGTGAAAGAAAGCAAGATTTCTC
 TGCCTTAAGCAGACGGACAGCGAGATGAAGGTTAAAATATCACCGCAGCTTCTCCTGGCCATGCACCGT
 TTCTTAGCAACAGAAGTAGAAGCGTTTAGCCATCCCAGATGTCAGAGAAGATCCTCCTAAGGCTGCTAA
 AGCACCCCAATGTCATCCAGGAGCTGAAGTACGACGAGAAGAACAAGAAAGCCCTGAGTGTACTCTA
 CCAGCGGAACAAGCCGTAGACTACTTCGTCCTCATTCTCAGGGGAAGGTGGAGGTGGAAGCTGGGAAA
 GAAGGCATGAAGTTTGAAGCCAGCGCTTCTCCTACTATGGTGTGATGGCCCTCACAGCCTCTCCAGTTC
 CTTTGTCCCTGTCTCGCACCTTTGTTGTGACGAGGACAGAGGTGTAGCTGCGGGCTCTCCAGGGGAAAA
 TAAGTCACTCCTCGCCCTGTGGCTGAATCACTCAGATTCTCTCAGTCGGAGCGACCGGATTGACGCC
 ATGACGCCAACCTTGGGAGCAGCAACAACAGCTCAGCTCTTCTTCTTCAAGTCTACATCCCTGACT
 ACTCAGTACGAGCCCTCTGACCTACAGTTCGTCAGATCTCCAGACAGCAATACCAAAATGCCTTGAT
 GGCGTCTCGGATGGACAAAACGCCTCAGTCTTCAGACAGTAAAAACTAAAATTGAATTGACTCTTACG
 GAGCTGCATGACGGCTTGCCAGATGAGACGGCCAACTTGCTCAATGAACAGAAGTGTGTGCACACAACA
 AGGCCAACACAGCCTGCACAGTGAAGGCGCCAT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_033569
Insert Size: 2628 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_033569.3 , NP_291047.2
RefSeq Size:	3330 bp
RefSeq ORF:	2628 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 (1) represents the longer transcript and encodes the longer isoform (a).