

Product datasheet for **MC221514**

Cnm4 (NM_033570) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnm4 (NM_033570) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnm4
Synonyms:	5430430O18Rik; Acdp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221514 representing NM_033570
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCGGGGGGCGGGGGCGGGCGGGACGGCTGGCCGGCCGAGGGCGCCTCCTCTGGCTGCGC
 TGCTGCTGCTATGGACCGGGCGGCCAGCGGCCAGAGCAGCCCCAGCAGAGCGTGATCCTAGGCATGAG
 GCTAGCGAGCTGCAACAAGTCGTGCGGGATGAACCCGGATGGCATCATCTTCGTGTCGAGGGCAGCAGC
 GTGAACCTGAGGCTCTATGGCCACAGCCTGGGCGATATCTCCAGCAACCTGATCTCCTTACCGAGGTGG
 ACGACGCCGAGGCGGTCCACAACCTCCCAACTGCCTGGAGCTACCAAGGACTTAGTGGTCCAGCGGCT
 GGTCAACGTGAGCCGGGAACACGTGCGGGATGCTAGTGGTATTACCAAGTTCCTGCGGAGGAGCGAG
 AACATGAAGCTGTACGCGCTGTGACCCCGCCCGGGCCGACGGGCCCTGGACCAGATGGACGGACAAGG
 ACTCCCTGCTCTCATGGTGGAGGAGCATGGGAGGTTTCTGCCGCTTGCTGCACATCCTTCTCGTTAT
 GGTGCTGTTGGTGTGTCGGGCATTTTTCTGGCCTCAACCTGGGGCTTATGGCCCTGGACCCGATGGAG
 CTGCGCATCGTGAGAAGCTGTGGAAGTGAAGGAGAGAAAGTATGCTCGCAAGATAGAGCCCATCAGGC
 GCAAGGGCAACTACCTGCTCTGCTCGCTGCTCCTGGGGAACGTGCTAGTCAACACCTCCCTCACCATCCT
 TCTAGACAACCTCATCGGGTCTGGCATCATGGCAGTGGCCTCCTCTACCATTTGGCATTGTTCATCTTTGGG
 GAGATCTTACCTCAAGCCCTGTGCTCCCGGCACGGGCTGGCTGTGGGTGCCAACACTATTGTTCTCACCA
 AAGTCTTTATGCTCCTCACTTTTCCCTTGAGTTTCCCCATTAGCAAACCTCTGGACTTCGTCTTAGGTCA
 GGAGATTCGCACTGTTTACAATCGGGAGAAGCTGATGGAGATGTTGAAGTGACAGAGCCCTATAATGAC
 TTGGTGAAGGAGGAGTTAAATATGATCCAGGGTCCCTGGAACCTAAGGACCAAACTGTGGAGGATATCA
 TGACCCAGCTACACGACTGCTTCATGATCCGCACTGATGCCATTCTGGACTTCAACACCATGTCGGAGAT
 TATGGAGAGTGGCTACACTCGCATTCTGTGTTTGAAGATGAGCAATCCAATATTGTAGATATCCTGTAT
 GTCAAAGACTTGCTTTTGTGACCCGGATGACTGCACCCCGCTCAAGACCATCACTCGCTTCTACAACC
 ACCCGGTACATTTTGTGTTTTCATGACACCAAGCTGGATGCCATGCTAGAGGAATTTAAGAAGGGCAAGTC
 CCACCTGGCCATCGTGAGAAGGTGAACAATGAGGGCGAGGGCGACCCCTTCTACGAGGTGCTGGCCTG
 GTCACTCTGGAGGACGTCATCGAGGAGATCATCAAGTCCGAGATCCTCGATGAGTCGGACATGTACTCTG
 ATAATCGGACCCGAAACGGGTGTCCTGAAAAACAAGCGTGACTTCTCTGCCTCAAGGACACTGACAA
 TGAACCTAAAGTAAAACTCACCTCAGCTTCTCTGGCTGCTCATCGCTTCTGGCCACAGAGGTGCC
 CAGTTTAGCCCTCTCTGATGTCAGAGAAGATCCTGCTCCGGCTGCTCAAGTACCCCGACGTCATTACAGG
 AGCTCAGGTTCAATGAGCACAACAGTACTGCGTTTCGCCACTACCTGTACACCCGAAACAAGCCGGCCGA
 TTGCTTCGTCCTCATCCTGCAGGGGAAGGTGGAGGTAGAAGCAGGCAAGGAGAACATGAAGTTTGAAGC
 GGCGCCTTCTCGTACTATGGAACCATGGCACTCCTCGTGGCACCCCCAGACCCGGTCCCCAGCCCTCCCAA
 CTCCACTCAGCCGCTCAGCTTCCCTCAGTTACCCGGACCCCAACAGACTTGACATCCACCTCCCTGGC
 AGGCAGCAACCAGTTTGGCAGCTGCATTCTGGCCAGTATGTCTCTGACTTCAGTGTGCGGGCGCTCACG
 GACCTGCAGTACATTAAGATCACAAGGCAGCAGTACCAGAATGGGCTGATGGCCTCCCGCATGGACAACA
 GCCCCAGCCTACCTTCGATGGCTGTGCCACCTGCTCAGAGAACTTTATGGAGAGGCTGAGCTGCCCC
 GGTGGACGAGACCAGACTCTTCTCAATGAACGCAACTCGTTGCTGCACAGAGCCTCCGAAGAGGAAACC
 ATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_033570
Insert Size: 2316 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_033570.2 , NP_291048.2
RefSeq Size:	4582 bp
RefSeq ORF:	2316 bp
Locus ID:	94220
UniProt ID:	Q69ZF7
Cytogenetics:	1 15.28 cM
Gene Summary:	Probable metal transporter. The interaction with the metal ion chaperone COX11 suggests that it may play a role in sensory neuron functions (By similarity). May play a role in biomineralization and retinal function.[UniProtKB/Swiss-Prot Function]