

Product datasheet for **SC113208**

CNNM4 (NM_020184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNNM4 (NM_020184) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNNM4
Synonyms:	ACDP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020184, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCGGTGGGCGGGGGCGGGCGCCCGTCCGGCGACCGCCCGGGGCGCCTCCTCCTGGCGGCGC
CGGTGCTGCTGGTGTCTGTGGGCGCTGGGGCCCGGGGCCAGGGCAGCCCCAGCAGGGCAGCATCGT
GGGCATGAGGCTGGCGAGCTGCAACAAGTCGTGTGGGACGAACCCGGATGGCATCATCTTGTGTCCGAG
GGCAGCACCGTGAACCTGAGGCTGTACGGCTACAGCCTGGGCAACATCTCCAGCAACCTGATCTCCTTCA
CCGAGGTGGACGATGCCGAGACCCTCCACAAGTCCACCAGCTGCCTCGAGCTCACCAAGGACCTGGTCTGT
CCAGCAGCTGGTCAACGTGAGCCGCGGGAACACGTCCGGCGTGTGGTGGTGTCTACCAAGTTCTCCGG
AGGAGCGAGAGCATGAAGCTGTATGCACTGTGACCCGGGCCAGCCGACGGGCCCTGGCTGAAGTGA
CGGACAAGGACTCACTGCTTTCATGGTGGAGGAGCCTGGGAGGTTCTGCCTCTCTGGCTGCACATTCT
CCTAATTACGGTGTCTGGTGTCTCGGGCATATTTTCTGGCCTCAACCTCGGGCTTATGGCCCTGGAC
CCCATGGAGCTGCGCATCGTGCAGAACTGTGGCACCAGAGAAGGAGAGGGCCTATGCCCGCAAGATTGAGC
CCATCCGGCGCAAGGGCAACTACCTTCTCTGCTCGTTGCTCCTAGGGAACGTGTGGTCAACACCTCCCT
CACAATCCTTCTAGACAACCTCATCGGGTCCGGCCTCATGGCGGTGGCCTCCTCCACCATTGGCATTGTC
ATCTTTGGGGAGATCCTACCTCAGGCCCTGTGCTCCCGACATGGGCTGGCTGTGGGTGCCAACACCATCC
TTCTACCAAAATCTTTATGCTACTCACCTTCCCCTCAGTTTTCCCATTAGCAAGCTCCTGGACTTTTT
TCTGGGCCAGGAGATTCCGACTGTTTACAACCGGGAAGCTGATGGAGATGTTGAAGGTGACGGAGCCC
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AGGATATCATGACCCAGCTCCAGGACTGCTTATGATCCGACGATGCCATCCTGGACTTCAACACCAT
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ATTCTCTACGTCAAAGACTTGGCCTTTGTGGACCCGATGACTGCACCCCTCAAGACTATCACTCGCT
TCTATAACCACCCGGTGCACCTTGTCTTCCATGACACCAAGTTGGATGCCATGCTGGAGGAGTTCAAGAA
GGGGAAGTCCACCTGGCCATCGTGCAGAAGGTAACAACGAGGGTGAGGGTGACCCCTTCTACGAGGTC
CTGGCCCTGGTACCCTGGAGGACGTGATCGAGGAGATCATCAAGTCGGAGATCCTGGACGAGTCCGACA
TGTACTACTGACAACCGAAGCCGGAAGCGGGTGTCTGAGAAGAACAAGCGTGACTTCTCTGCCTTCAAGGA
TGCGGACAATGAGCTCAAAGTAAAATCTCCCGCAGCTCCTCCTGGCCGCTCATCGCTTCTAGCCACA
GAGGTCTCTCAGTTTAGCCCTCCCTGATATCAGAGAAGATCCTGCTGCGGCTACTCAAGTACCCAGATG
TCATTAGGAACCAAGTTTACGAGCACAATAAGTACTACGCCCGCCATTACCTGTACACCCGAAATAA
GCCGGCCGACTACTTTCATCCTCATCCTGCAGGGGAAGGTGGAGGTGGAGGCAGGGAAGGAGAATGAAG
TTTGAGACGGGGCCCTTCTCTACTATGGGACTATGGCCCTGACCTCGGTCCCCTCCGACCGTTCCCAG
CACACCCACCCCACTCAGCCGCTCAGCCTCCCTCAGTTACCCAGACCGCACAGAGCTCTCAACTGCAGC
AACCTTGGCAGGCAGCAGCAACCAGTTTGGCAGCTCTGTCTGGGCCAGTACATCTCTGACTTACAGCGTC
CGGGCACTCGTGGACTTGCAGTACATCAAGTCACTCGGCAGCAGTACCAGAACGGGCTGCTGGCTTCTC
GCATGGAGAACAGCCCTCAGTTTCCCATAGACGGGTGCACCACCCACATGGAGAACTTGGCCGAGAAGTC
TGAGCTGCCTGTGGTGGACGAGACCACAACCTTCTCAACGAGCGTAACCTCTTGTCTGCACAAAGCCTCC
CACGAGAATGCCATCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020184 unedited NTTATAACCCCGCCCGTTGAACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTA TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC GGCCGCGAATTCGGCACGAGGGGCGGACCGGCCCGGGCGCCTCCTCTGGCGGGCGCCG GTGCTGCTGGTGTGCTGTGGGCGCTGGGGCCCGGGCCAGGGCAGCCCCAGCAGGGC ACGATCGTGGGCATGAGGCTGGCGAGCTGCAACAAGTCGTGTGGACGAACCCGGATGGC ATCATCTTCGTGCCGAGGGCAGCACCGTGAACCTGAGGCTGTACGGCTACAGCCTGGGC AACATCTCCAGCAACCTGATCTCCTTCACCGAGGTGGACGATGCCGAGACCCTCCACAAG TCCACCAGCTGCCTCGAGCTCACCAAGGACCTGGTCGTCCAGCAGCTGGTCAACGTGAGC CGCGGGAACACGTCCGGCGTGTGGTGGTGTCTACCAAGTTCTCCGGAGGAGCGAGAGC ATGAAGCTGTATGCACTGTGCACCCGGGCCAGCCGACGGGCCCTGGCTGAAGTGGACG GACAAGGACTCACTGCTTTCATGGTGGAGGAGCCTGNGAGGTTCTGCCTCTCTGGCTG CACATTCTCTAATTACNGTGTGCTGGTGTGTCGGGCATATTTCTGGCCTCAAACCTC GGGCTTATGGCCCTGGACCCCATGGAGCTGCGCATCGTGCAGAAGTGTGGACCCGAGAAG GAGAGGCGCTATGCCCGAAGATTGAGCCCATCCGGCGCAAGGGCAACTACCTTCTCTGC TCGTTGCTCTAGGGAACGTGCTGGTCAACACCTNCCTACAATCTTCTAGACACCTCAT CGGGTTCCGCCTCATGGCGGA
Restriction Sites:	NotI-NotI
ACCN:	NM_020184
Insert Size:	4700 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_020184.2 , NP_064569.2
RefSeq Size:	4814 bp
RefSeq ORF:	2184 bp
Locus ID:	26504
UniProt ID:	Q6P4Q7
Cytogenetics:	2q11.2
Domains:	CBS, DUF21
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a member of the ancient conserved domain containing protein family. Members of this protein family contain a cyclin box motif and have structural similarity to the cyclins. The encoded protein may play a role in metal ion transport. Mutations in this gene are associated with Jalili syndrome which consists of cone-rod dystrophy and amelogenesis imperfecta. [provided by RefSeq, Feb 2010]