

Product datasheet for **SC307863**

CNNM2 (NM_199076) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNNM2 (NM_199076) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNNM2
Synonyms:	ACDP2; HOMG6; HOMGSMR
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_199076, the custom clone sequence may differ by one or more nucleotides

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ATGATTGGCTGTGGCGCTTGTGAACCCAAAGTAAAGATGGCGGGCGGGCAGGCAGCCGCC
GCACTGCCCACTTGAAGATGGCGGGCGCCGACGCTCAGCGCTCGCGGGCCGGGGGATC
CTGCAGGCGGCTGCGGGGCGGCTGCTGCCGCTGCTCCTGCTGAGCTGCTGCTGCGGTGCG
GGCGGCTGCGCAGCGGTGGCGGAGAATGAGGAGACGGTGATCATCGGGCTGCGACTGGAG
GACACGAACGACGTGCTGTTTATGGAAGGGGGGCGCTGCGGGTGAGCGAACGGACCCGG
GTCAAGCTGCGGGTGTACGGGCAGAACATCAATAACGAGACGTGGTCCCGCATCGCCTTC
ACCGAGCACGAGCGGGCGGCCACAGCCCGGGGAGCGCGGGCTGGGGGGCCCCGCGCCG
CCAGAGCCGGACAGCGGCCCCAGCGATGCGGCATCCGCACCTCAGACATCATCATCTTG
CCCCACATCATTCTCAACCGCCGACCTCGGGCATCATCGAGATCGAGATCAAACCGCTA
CGCAAGATGGAGAAGAGCAAGTCTATTACCTGTGCACGTGCTCTCCACGCCCGCCCTG
GGCGCCGGCGGCTCGGGTCCACGGGTGGCGCCGTGGGGGCAAGGGTGGCTCGGGGGTG
GCCGGGCTCCCGCCGCCCGTGGGCCGAGACCACCTGGATTTACCACGACGGCGAGGAC
ACCAAGATGATCGTAGGCGAAGAGAAGAAGTTCCTGCTGCCCTTCTGGCTGCAGGTGATC
TTCATTTGCTGCTGCTGTGCTGCTCGGCATGTTACGCGGCTCAACCTGGGGCTCATG
GCCCTGGACCCGATGGAGCTGCGCATCGTGCAGAACTGCGGCACGGAGAAGGAGAAGAAT
TACGCCAAGCGCATCGAGCCGGTGCAGGCGAGGGCAACTACCTGCTGTGCTCACTGCTG
CTGGGCAACGTGCTGGTCAACACCACGCTACCATCCTGCTCGACGACATCGCCGGCTCG
GGCCTCGTGGCCGTGGTGTCTCCACCATCGGTATCGTCATCTTCGGAGAGATCGTGCC
CAGGCCATCTGCTCCCGCATGGCTGGCTGTGGGGGCAACACCATCTTCTCACCAAG
TTTTTCATGATGATGACCTTCCCGCTTCTACCGGTGAGCAAGCTGCTGGACTGCGTC
CTGGGCCAGGAGATAGGCAACCGTCTATAACCGGAAAAAAGTCTGGAGATGCTCCGGGTC
ACCGATCCCTACAACGACCTCGTTAAGGAGGAGCTGAACATCATCAAGGGGCGCTGGAG
CTCCGCACCAAGACGGTGGAGGACGTGATGACCCCACTCCGGGACTGCTTCATGATCACC
GGCGAAGCCATCCTGGACTTCAACACCATGTCTGAGATCATGGAGAGCGGCTACACCCGC
ATTCCAGTGTGTTGAAGGGGAGCGCTCCAATATCGTGGACCTGCTGTTTGTCAAAGACTTG
GCCTTCGTGGATCCCGATGACTGTACCCCTGAAAACCATCACCAATTTTATAACCAC
CCCTTGCACTTTGTTTTCAATGACACCAAGTTGGACGCTATGCTGGAAGAATTTAAGAAA
GGTAAATCTCACCTGGCTATCGTGCAGCGGGTAAACAATGAGGGAGAAGGGGATCCATTT
TATGAAGTCTGGGAATCGTACCTTAGAAGATGTGATTGAAGAATCATCAAATCTGAG
ATTCTTGATGAAACAGATTTATACACTGACAACAGAACGAAAAAGAAAGTGGCTCACCGG
GAACGAAAGCAAGATTTTCTGCCTTTAAGCAGACAGACAGTGAAGTAAAGTAAATA
TCACCACAGCTCCTCCTGGCCATGCACCGTTTCTAGCAACAGAAGTAGAAGCATTTAGC
CCATCCCAGATGTGAGAGAAGATCCTTCTAAGGCTGCTAAAGCACCCCAATGTCATCCAG
GAACTGAAATATGATGAGAAGAACAAGAAAGCCCCGAATACTACCTCTACCAGCGCAAC
AAGCCAGTAGACTACTTCGTTCTCATTCTGCAGGGGAAAGTGAAGTTGAAGCTGGGAAA
GAAGGTATGAAGTTTGAAGCGAGCGCTTCTCATACTATGGCGTGATGGCCCTGACAGCC
TCTCCAGGTGAAAATAAGTCCCCTCCTCGCCATGTGGCTTGAATCACTCAGACTCTCTC
AGTCGAAGCGACCGGATTGACGCCGTACACCAACACTGGGGAGCAGCAATAACCAAGCTC
AATTCTTCGCTCCTCAAGTCTACATCCCGATTACTCGGTGCGAGCCCTTTCGGATCTG
CAGTTTGTAAAGATCTCAAGACAGCAATACCAAAATGCCTTGATGGCATCCCGGATGGAC
AAAACCCCCAGTCTTCAGACAGTGAACAACTAAAATCGAATTGACTCTTACGGAGCTG
CATGACGGGTTGCCAGACGAGACAGCCAACCTGCTCAACGAACAGAACTGTGTGACGCAC
AGTAAGGCCAACACAGCCTGCACAACGAAGGCGCCATCTAG

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Restriction Sites: Please inquire

ACCN: NM_199076

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_199076.1</u> , <u>NP_951058.1</u>
RefSeq Size:	4005 bp
RefSeq ORF:	2562 bp
Locus ID:	54805
UniProt ID:	<u>Q9H8M5</u>
Cytogenetics:	10q24.32
Protein Families:	Transmembrane
Gene Summary:	<p>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 an important role in magnesium homeostasis by mediating the epithelial transport and renal reabsorption of Mg²⁺. Mutations in this gene are associated with renal hypomagnesemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>