

Product datasheet for **SC318350**

CNNM2 (NM_017649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNNM2 (NM_017649) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNNM2
Synonyms:	ACDP2; HOMG6; HOMGSMR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_017649 edited
 ATGATTGGCTGTGGCGCTTGTGAACCAAAGTAAAGATGGCGGGCGGGCAGGCAGCCGCC
 GCACTGCCCACTTGAAGATGGCGGCGCGCCGACGCTCAGCGCTCGCGGCCGGGGGATC
 CTGCAGGCGGCTGCGGGGCGGCTGCTGCCGCTGCTCCTGCTGAGCTGCTGCTGCGGTGCG
 GGCGGCTGCGCAGCGGTGGGCGAGAATGAGGAGACGGTATCATCGGGCTGCGACTGGAG
 GACACGAACGACGTGTCGTTTCATGGAAGGGGGGCGCTGCGGGTGAGCGAACGGACCCGG
 GTCAAGTGCGGGTGTACGGGCAGAATCAATAACGAGACGTGGTCCCGCATCGCCTTC
 ACCGAGCACGAGCGGCGCGCCACAGCCGGGGAGCGCGGGCTGGGGGGCCCCGCGCCG
 CCAGAGCCGACAGCGGCCCCACGCGATGCGGCATCCGCACTCAGACATCATCATCTTG
 CCCCACATCATTCTAACCCGCGCACCTCGGGCATCATCGAGATCGAGATCAAACCGCTA
 CGCAAGATGGAGAAGAGCAAGTCTATTACCTGTGCACGTGCTCACCACGCCCGCCCTG
 GGCGCCGGCGGCTCGGGGTCCACGGGTGGCGCCGTGCGGGGCAAGGGTGGCTCGGGGTG
 GCCGGGCTCCCGCCGCCCGTGGGCCGAGACCACCTGGATTTACCACGACGGCGAGGAC
 ACCAAGATGATCGTAGGCGAAGAGAAGAAGTTCCTGCTGCCCTTCTGGCTGCAGGTGATC
 TTCATTTGCTGCTGCTGTGCCGTGTCGGGCATGTTGAGCGGCCTCAACCTGGGGCTCATG
 GCCTGGACCCGATGGAGCTGCGCATCGTGCAGAACTGCGGCACGGAGAAGGAGAAGAAT
 TACGCCAAGCGCATCGAGCCGGTGCAGCAGGCAAGTACCTGCTGTGCTCACTGCTG
 CTGGGCAACGTGCTGGTCAACACCACGCTCACCATCCTGCTCGACGACATCGCCGGCTCG
 GGCTCGTGGCCGTGGTAGTCTCCACCATCGGTATCGTATCTTCGGAGAGATCGTGCC
 CAGGCCATCTGCTCCCGCATGGCTGGCTGTGGGGGCAACACCATCTTCTCACCAG
 TTTTTCATGATGATGACCTTCCCGCTTCTACCCGGTCAAGCTGCTGGACTGCGTC
 CTGGGCCAGGAGATAGGCACCGTCTATAACCGGAAAAACTGCTGGAGATGCTCCGGGTC
 ACCGATCCCTACAACGACCTCGTTAAGGAGGAGCTGAACATCATCCAAGGGGCGTGGAG
 CTCGCAACCAAGACGGTGGAGGACGTGATGACCCACTCCGGGACTGCTTCATGATCACC
 GGCGAAGCCATCCTGGACTTCAACACCATGTCTGAGATCATGGAGAGCGGCTACACCCGC
 ATTCCAGTGTGTTGAAGGGGAGCGCTCCAATATCGTGGACCTGCTGTTTGTCAAAGACTTG
 GCCTTCGTGGATCCCGATGACTGTACCCCTGAAAACCATCACCAAATTTTATAACCAC
 CCCTTGCACTTTGTTTCAATGACACCAAGTTGGACGCTATGCTGGAAGAATTTAAGAA
 GGTAATCTCACCTGGCTATCGTGCAGCGGTAACAATGAGGGAGAAGGGGATCCATTT
 TATGAAGTTCGGGAATCGTACCTTAGAAGATGTGATTGAAGAATCATCAAATCTGAG
 ATCTTGATGAAACAGATTTATACACTGACAACAGAACGAAAAAGAAAGTGGCTCACCGG
 GAACGAAAGCAAGATTTTCTGCCTTTAAGCAGACAGACAGTGAAGGTTAAAATA
 TCACCACAGCTCCTCCTGGCCATGCACCGTTTCTAGCAACAGAAGTAGAAGCATTAGC
 CCATCCCAGATGTCAGAGAAGATCCTTCTAAGGCTGCTAAAGCACCCCAATGTCATCCAG
 GAACTGAAATATGATGAGAAGAACAAGAAAGCCCCGAATACTACCTCTACCAGCGCAAC
 AAGCCAGTAGACTACTTCGTTCTCATTCTGCAGGGGAAAGTGAAGTTGAAGCTGGGAAA
 GAAGGTATGAAGTTTGAAGCGAGCGCTTCTCATACTATGGCGTGATGGCCCTGACAGCC
 TCTCCAGTTCCTTTGTCCTGTCTCGTACCTTTGTTGTCAGCAGAACAGAGTTGTTAGCA
 GCAGGTTCTCCAGGTGAAAATAAGTCCCCTCCTCGCCATGTGGCTTGAATCACTCAGAC
 TCTCTCAGTCGAAGCGACCGGATTGACGCGTACACCAACACTGGGGAGCAGCAATAAC
 CAGCTCAATTCCTCGCTCCTCCAAGTCTACATCCCCGATTACTCGGTGCGAGCCCTTTCG
 GATCTGCAGTTTGTAAAGATCTCAAGACAGCAATACCAAATGCCTTGATGGCATCCCGG
 ATGGACAAAACCCCGAGTCTTCAGACAGTGAACAACTAAAAATCGAATTGACTCTTACG
 GAGCTGCATGACGGTTGCCAGACGAGACGCCAACCTGCTCAACGAACAGAACTGTGTG
 ACGCACAGTAAGGCCAACACAGCCTGCACAACGAAGGCGCCATCTAG

Restriction Sites: Please inquire
ACCN: NM_017649
Insert Size: 2600 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).
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_017649.3</u> , <u>NP_060119.3</u>
RefSeq Size:	4071 bp
RefSeq ORF:	2628 bp
Locus ID:	54805
UniProt ID:	<u>Q9H8M5</u>
Cytogenetics:	10q24.32
Domains:	CBS, DUF21
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 (1) represents the longest transcript and encodes the longest isoform (1).</p>