

Product datasheet for **RC213635**

CNNM1 (NM_020348) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNNM1 (NM_020348) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNNM1
Synonyms:	ACDP1; CLP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC213635 representing NM_020348
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGGCCGCGCGCGGCAGCAGCGGTGGGTGTCAGGCTCCGGGACTGCTGCAGCCGAGGCGCTG
 TGCTCCTGCTCTTCTTTCCCTGTCTCCTCGGCCCGCCGCGCCGCCCTGGCTGCTGGCCTGCGGCC
 CGAGGACTGCTGGAGGCCGCTGTCCCTGGAGGGGGCACCCCTGCGCGCCGCCGAAGGACCAGCTTC
 CTCCTGCGTGTCTATTTCCAGCCAGGACCAGCGGCCACCGCCGACCCGGTGCCCTCACCGACCTCAACT
 CGGGGAGAAATGGACCCGGGACTGGGCTCCGCGGCTCGTGTTCATCGAGGAGCCCCGGGCGGTGGCGG
 CGTGGCCCCAGCGCGGTCCCCTCGCCCCCGGACCCGAGCGCTGCAGGGAGCAGAGCGACTGGGCA
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 TTGTACGGCCCAGGCGGGGACCTGCTGCCCTCGCTGGCTGCGGGCGCTCGGGGCGCTCCTGCTGCTAG
 CCTTGTGCGCCCTGTTACGCGCCCTGCGCTGAGCCTGCTGTGCTGGACCCGGTGGAGTTACGGGTGCT
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 GACTGGACACGGTCTGGAGGAGTTAAGAAGGAAAATCTCACCTGGCCATTGTCCAGCGGGTGAATAA
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 TCCCACGAGAGCAGCATCAGATAGTGAATGTTGTAACATCAACCTGGATACAGAGACCAGCCCTGCAGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213635 representing NM_020348
Red=Cloning site Green=Tags(s)

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MAAAAAAAAAAVGVRLRDCCSRGAVLLLFFSLSPRPPAAAAWLLGLRPEDTAGGRVSLLEGGTLRAAEGTSF
LLRYYVQPGPPATAAPVPSPTLNSGENGTGDWAPRLVFIIEPPGGGGVAPSAVTRPPGPQRCREQSDWA
SDVEVLGPLRPGGVAGSALVQVRVRELKGEAERGGAGGGGKLFSLCAWDGRAWHHGAAGGFLLRVPR
LYGPGDLLPRAWLRALGALLLALSAFSGRLSLLSLDPVELRVLNRSGSAAEQEQARRVQAVRGRGT
HLLCTLLLGQAGANAALAGWLYTSLPPGFGGTGEDYSEEGIHFPWLPALVCTGAVFLGAEICPYSVCSRH
GLAIAHSVCLTRLLMAAFPVCYPLGRLLDWALRQEISTFYTREKLETLRAADPYSDLVKEELNIQGG
ALELRTKVVVEVLTPLGDCFMLRSDAVLDFATVSEILRSYTRIPVYEGDQRHNIVDILFVKDLAFVDPD
DCTPLLTVTRFYNRPLHCVFNDTRLDTVLEEFKKGKSHLAIVQRVNNEGEGDPFYEVMGIVTLEDIEEII
IKSEILDETDLYDNRRKQRPQREKRHDFSLFKLSDTEMRVKISPQLLLATHRFMATEVEPFKSLYLS
EKILLRLLKHPNVIQELKFDEKNKKAPEHYLYQRNRPVDYFVLLLQGVVEVVGKEGLRFENGAFYYGV
PAIMTTACSDNDVRKVGSLAGSSVFLNRSRCSGLNRSESPNRERSDFGGSNQYLYSSNNLYMPDYSV
HILSDVQFVKITRQQYQNALTACHMDSSPQSPDMEAFDTGDSTKAPTTRGTPQTPKDDPAITLLNRRNSL
PCSRSDGLRSPSEVVYLMEELAFTEEMTDFEEHSTQQLTSPAAPVTRAASDSECCNINLDTETSPCS
SDFEENVGKLLRRLSGQKRKRSPEGERTSEDNSNLTPLLIT
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8026_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



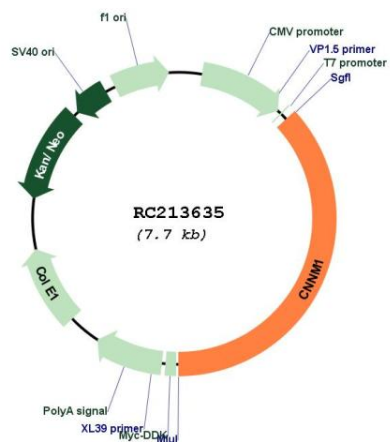
* The last codon before the Stop codon of the ORF

ACCN: NM_020348

ORF Size: 2853 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_020348.3
RefSeq Size:	5988 bp
RefSeq ORF:	2856 bp
Locus ID:	26507
UniProt ID:	Q9NRU3
Cytogenetics:	10q24.2
Domains:	CBS
MW:	104.2 kDa
Gene Summary:	This gene encodes a member of the ancient conserved domain protein family. The encoded protein may bind copper. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC213635