

Product datasheet for **RR214541**

Cnnm1 (NM_001107593) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnnm1 (NM_001107593) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnnm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214541 representing NM_001107593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGGCCGCTTCCCGGTGTGCTACCCGCTGGGCCGCTCCTGGACTGGGCTCTGCGCCAGGAGATCA
 GCACCTTCTACACGAGGAGAAGCTGCTGGAGACGCTGAGGGCCGCCGATCCTTACAGCGACCTGGTGAA
 GGAAGAGCTCAACATCATCCAGGCGCCCTGGAGCTGCGACCAAGGTGGTAGAGGAGGTCTGACCCCT
 CTCGGGGACTGCTTCATGCTGCGCTCCGACGCTGTGCTTGACTTCGCCACTGTATCCGAGATCCTCCGTA
 GTGGCTACACTCGCATCCCGGTGTACGAGGGCGACAGAGGCACAACATTGTGGACATTCTGTTCTGCA
 AGACTTGGCCTTTGTGGACCCGGACGACTGTACCCCTGCTCACAGTCACCCGCTTCTACAACAGGCC
 CTGCATTGCGTCTTCAATGATACCCGGTGGACACAGTACTGGAGGAGTTTAAGAAGGGAAAATCACACC
 TGGCCATTGTCCAGAGAGTGAACAACGAGGGTGAAGGAGACCTTTCTATGAGGTGATGGGCATCGTCAC
 ACTGGAGGACATCATAGAAGAGATCATCAAGTCGGAGATCCTAGATGAACTGACCTCTACACTGACAAT
 CGGAAAAAGCAGAGGGTCCACACCGGGAGAGGAGGCGGCATGATTTCTCTCTGTTCAAGCTTTCAGACT
 CAGAGATCAGAGTCAAGATCTCGCCACAGCTCTTGCTCGCCACACATCGTTTATGGCCACAGAAGTGGA
 GCCCTTTAAGTCTCTCTACCTTTCCGAGAAGATCCTGCTCCGGCTTCTGAAACATCCCAACGTGATCCAG
 GAGCTTAAGTTTGATGAGAGGAACAAGAAAGCCCCAGAACACTACCTCTACCAGCGCAGCCGCCCGTGG
 ACTATTTTGTGCTGCTTTTACAGGGGAAAGTGAAGTGGAGTGGTAAAGGAAGGCTTCGTTTTGAGAA
 TGGAGCCTTTACCTACTACGGTGTCCAGCCATCATGACCAGCGCTGCTCAGATAACGAGTGCAGGAG
 GTTGAAGTCTGGCTGGATCCTCTGTCTTCTAAACCGGTCCCTTCTCGCTGCAGCGGGTTGAATCGTT
 CCGAGTCTCCAAACCGAGAGCGCAGTGACTTCGGCGGGAGCAACACGAGCTGTGCAGCAACAACCTCTA
 CACACCGGACTACTCTGTGCACATCCTCAGCGATGTGCAGTTTGTGAAGATCACACGGCAACAGTACCAG
 AACGCACTCACGGCTGCCACATGGACAGCTCGCCCCAGTCCCCAGATATGGAGGCTTACCGACGGCG
 ACTCCACCAAGGCCCCCACTCGAGGCACACCTCAGACTCCAAGGACGACCCGGTCTCACACTCCT
 GAGTAACAGGACCAGCTTGCCATGCAGCCGCTCAGATGGTCTGAGAAGCCGGGCGAGGTGGTGTACCTG
 AGGATGGAGGAGATGGCCTTCCCCAGGAAGAGATGCCCAACTTTGAGGAGCACAAGGCACAGCAAGTCT
 CGCTGTCCCTGTGACTGTTCTACAGCAGCAGCTTACAGACTGAATGCTGTAATATCCACCTGGACCC
 AGAGGCCAGCCCTGCAGCAGTACTCTGAGGAAACCATGGGCAAGAAGTCTAAGGACCTTGAGTGGC
 CGGAAGAGAAAGAAATCAGCAGACGGAGAGAGCCTCTGAGGAAACTCCAATTTAACACCCCTGATCA
 CA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214541 representing NM_001107593
 Red=Cloning site Green=Tags(s)

MAAAFPVCYPLGRLLDWALRQEISTFYTREKLLETTLRAADPYSDLVKEELNIIQGALELRKVVVEVLTP
 LGDCFMLRSDAVLDFATVSEILRSGYTRIPVYEGDQRHNIVDILFVKDLAFVDPDDCTPLLTVTRFYNRP
 LHCVFNDTRLDTVLEEFKKGKSHLAIVQRVNNEGEDPFYEVMGIVTLEDIIIEEIIKSEILDETDLTYDN
 RKKQRPVPHRRRRHDFSLFKLSDSEIRVKISPOLLLATHRFMAVEVPFKSLYLSEKILLRLKHPNVIQ
 ELKFDERNKKAPHEHYLYQRSRPVDYFVLLQKGVEVEVGKEGLRFENGAFYYGVPAIMTSACSDNDVRK
 VGSLAGSSVFLNRSPSRCSGLNRSESPNRERSDFGGSNLQLCSNNLYTPDYSVHILSDVQFVKITRQQYQ
 NALTACHMDSSPQSPDMEAFDTGDSTKAPTRGTPQTPKDDPVLTLNRTSLPCSRSDGLRSPGEVVYL
 RMEEMAFPQEEMPNFEEHKAQQVSLSPVTPTAAASETECCNIHLDPEASPCSSDSEETMGKLLRTL
 SGRKRKKSADGERASEENSLTPLIT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107593

ORF Size: 1752 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:

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_001107593.1](#), [NP_001101063.1](#)

RefSeq Size: 2777 bp

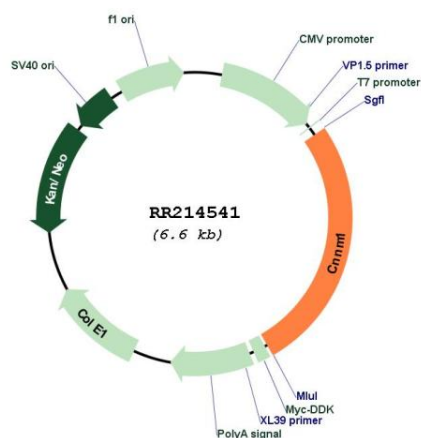
RefSeq ORF: 1755 bp

Locus ID: 309387

Cytogenetics: 1q54

MW: 66.1 kDa

Product images:



Circular map for RR214541