

Product datasheet for **RR214607**

C2cd4c (NM_001109285) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2cd4c (NM_001109285) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2cd4c
Synonyms:	Fam148c; RGD1561354
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214607 representing NM_001109285
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAAAAACCAACATGTGTTCTTGAACGACTTCGGGGTCTGGGGAGAACGGAGCCAGCCGCGGGG
 TGGGTGGCGAGGCTGGGGACAAAACCTCCAAGGGCCCTTTGTATAGCAACGTGCTGACTCCGGACAAGAT
 CCCCAGCTTCTTCATCCCGCCCAAGCTGCCCTCAGGTCCCCCAGAGGCTGAGGGACAGGCGGACCTGGGC
 CCCTCCACCTCAGAGCAAAACCTGGCTTCACTGGGCCCGTCGAGCACCTCGCAGCCCTCGGCTGCCGG
 TCAAGTTGGCTCAGAGAGCAGGAACCTGCTGAAGGCTGCCACACGACACGTGATTCAGATAGAGAGTGC
 GGAGGACTGGACAGCAGGAAGCCACCAACGCTGACCCAGGCACAGGCTGCCATGTCATTGCCCTCT
 GTGCCAAGGCTCAGACATCCTATGGCTTTGCCCACTGGCCGAGAGCCCCACACAGGCGCAAGGAGT
 CCCTTTTCCACAGCGAGCAGGGGCCCTGGCTCAGGTCCGATCCCCTGGTCTAGCCGCCGCGAGCAGG
 GGCTAAGGCCAATGGAGGTGATGGGGGTCCCGGAGGTTGGGGTGGCCTGATGAGCCCTAGCCGCTAC
 TTAGTGGTGGAGAAAGTGACACAGTTCTCTGCTGAGTCGTCGCCCTTCGGGTCCCCTCTGCTGTCTC
 GCTCTGTATCGTTGCTCAAGGGCTTTGCCAGGACAGCCAGGCCAAAGTGAGCCAGCTGAAACAGTCGGT
 AGGTCGCCATGGCTCCCTGTCTGCGGATGACAGTACACCGGACACCAGCCAGGTGTCCGTGCGCGCTTG
 ACCCGCAGGGCTACCCCGAGCCAGGCCGAGTCTGGCCAGGCACACGTGGAGAGCACACGTACGGA
 TGGGCACAGGGGCGAGCTGAGGCTGCTGGCCGAGTATGAGGCTGCTCAGGCCGCTGCGTGTGCGCCT
 GCTGGCGGCCGAGGGCTGTATGACCGGCCCTGTGATGCGCGGAGCATCAATTGCTGCGTGGGGCTGTGC
 CTGGTGCCCGGAAGCTGCAGAAGCAGCGGAGCACCATTATCAAAACAGCCGCCATCCCATCTTCAACG
 AGGACTTCTTCTTGACGGCCTGGGGCCAGCCAGTGTGCGTAAGCTGGCCCTCAGAATCAAGGTGGTCAA
 TAAGGGTAGAGCCTCAAGCGGGACACACTCTTAGGGGAGGAGGAAGTGCCTGACCTCCTTGTGCGCT
 TTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214607 representing NM_001109285
 Red=Cloning site Green=Tags(s)

MRKTNMWFLERLRGSGENGASRGVGEAGDKTSKGPLYSNVLTPDKIPDFFIPPKLPSGPPEAEGQADLG
 PSTSEQNLASPGPRRAPRSPRLPVKLASESRNLLKAATRHVIQIESAEDWTAEEATNADPQAQGAMSLPS
 VPKAQTSYGFATLAESPHTRRKESLFHSEHGALAQVSPGASRRRAGAKANGDGGSSREVGGLMSPSR
 FSGGESDTGSSAESSPFGSPLLRSVSLLKGFAQDSQAKVSQLKQSVGRHGSLSADDSTPDTSPGVRRRL
 TRRATPEPGPESGQAPRGEHTVRMGTRGSVRLLAIEYEAQARLRVRLLAEGLYDRPCDARSINCCVGLC
 LVPGLKQQRSTIIKNSRHPIFNEDFFDGLGPASVRKLALRIKVVNKGSSSLKRDITLLGEEELPLTSLLP
 FL

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001109285

ORF Size: 1266 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_001109285.1](#), [NP_001102755.1](#)

RefSeq Size: 1597 bp

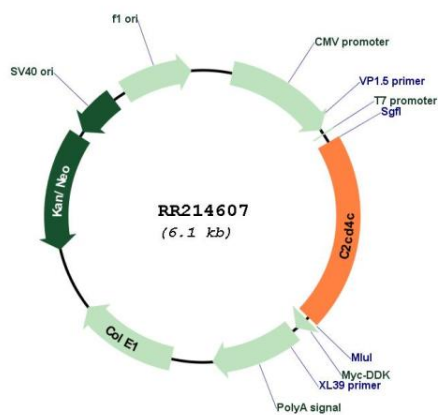
RefSeq ORF: 1269 bp

Locus ID: 500798

Cytogenetics: 7q11

MW: 45 kDa

Product images:



Circular map for RR214607