

Product datasheet for **RR208235**

C2cd2 (NM_199391) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2cd2 (NM_199391) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2cd2
Synonyms:	RGD735112
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR208235 representing NM_199391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCGTGGCTCGGCGAGGTGCAGTGGCTCTTCTGGTGTGCTCTTCGTCGCGGCCCTGGGCACCG
 TGGCCTGTACTTGGCGCAGTGGGCGCTGGCCAAGGCGCGACCCCGCCCGGCGCGGGCGGAGCCGGA
 TGAGCTAAGGCGCCAGGAGTCCGACACCCTCCTTCTGGATACTGACACGGGATAGCTGGGGAAACAG
 TGGCTGGCTGCCTGGGTGACTGCCCTGAACTACGAGGCTGAAAGGAGTGGGGTCCACTGCGTCTCTCT
 TCCAGAAGGACCCACGGCCACAGTCCTTCAACTGACAGTTGGGGAGGTATCCAGTGTGGTCAAGTCAGC
 CCAGGAGAAGATGGTGTCTGTATGTGGTGGGCGAGAATCTTCAGTTCTTGGTCACTGCGGGCCCTGCC
 TCTACCACAGGCTCAGAGTCCAGCTATATGATGTCCAGCTTCCCCCTTTCATTTAAAGGTGCAGTTCC
 ACATGCAAGAGAAGAGAAGACATCCAGATCACATGGTCTTTACCTGTGCCCCAGAAACGCCATCAG
 GATCCAGCCCCAGCCCCAGGGGAGAAGCAGGTGCTGGAGGTAACGTGCTTTCTGAAGCCCTCAAGGAT
 CTTTTCAAGCACCTAGTTAGTGTGCCTCGCCATCTGTTTTCTGAGCACAAGCCCATGCAAGGCCAAGG
 AAGCTCAGACTCTACAGTGTACTTCTCCACTGCTCAGGAACCCCTGCCCTCCCAAACCTCCAAGGGCTCA
 TGAAGTAAATTCAGAGTGAAGAATATCCGAGTTTCCCTGCTAAACCACCTGGTGTTCAGGCATTAGC
 CATATGTGTGTGGCCAGCTGAACGAGCCTGCACAGCGATTATCAGCACCCCTAGTGAGAAACACTACTG
 ACCTCAGCTGGGAGGAGGAGTTCACCTTTGAACTGAATGCCAAATCCAAGGAGTGTCTCTGCAGATCTC
 ACAGGAGGAGTGTCTGTGAAGTCTGATGGGATAGCAACCGTTCACCTGGACTTATTTAGGAAGCAG
 CCTAATGGCCACAGACCTTCAGACTGGTCACTGGGACAGAGCCTGAAAGCTCGGTGTTGGGCTCAGTCA
 CTGCAGAGTTTTCGTATGTAGAACCTGGTGTCTGAAGTCTGGCCAGCTCCTCCCCTGTTTTCTGTCTAC
 AAAGATAGAAAAGGACCGTACAGTGATGCCATGTGGGACTGTGGTCAACCACTGTCACTGCCGTGAAGACC
 AAACCTCGCTTTGACACTGGGAGGGCATCCCCGTTGAGCTCAGAGTCCCCTGTGAGGACACCTATCAAAG
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 CTCCTCTCTGACACGGAAGTGTGGTACTGAACAGCTCAGATCCTGTGGCTGAAGTTGCCATTCCGGCAG
 CTCAGCGAGTCTCAAAGCTGAACTGAAGTCCCCACGGAAGAAAAGCACCATCATAATTCAGGGATCT
 CCAAGACCTCACTATCTCAGGACCACAGTGTGCCCTCATGCTGAACTATGCAGTCTCTATGGACAGCAC
 CAACCAGGAGAGGCCACTTCTGCTTTGTGCCATCCAGAGGCAACTGAAGCCTCTGCCACCACCCCACT
 GAAGAAAATGAGCCAGCCCAAGCCCTACCAGTCTCGAGCCAGAGAGGATGATTTAGATTCTCTGGGACC
 TGGAGAAGGAGTCTCCGTTAGCATCGTGGAGCGGTCCAGTCTTGCAGGATCCTGATGGGGACGAAGTGT
 AGAGAGTCCCTGAGTACTTCAGAGCTAGGAGCCATCAAGAAGCATAAAGAAGGAATCCTAAGGAAAGGT
 GCCAAGCTCTTCTCCGCGGCGACACCATCAGAAAGACCAAGCTTGAGCCAGTCGCATAACGACCTGG
 TATTCCTGCAGCAGCCAGAGGGGAGGCAGAAGAAAGGGGCGACCCCTCAGCCGGCTCTGAACAGAAAGCT
 GCTTACCAGGCACAGAGGCAAACACACCCTCAATGGACCACCCAGAGAGCCCTGCATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208235 representing NM_199391
Red=Cloning site Green=Tags(s)

MGSWLGEVQWFLVLSLFVAALGTVGLYLAQWALAKARPPRRRAEPDELRRQESDTLLSWILTRDSWGNQ
 WLAAWVTALNVEAERSGGPLRLSFQKDRPQSLQLTVGEVSSVVKSAQEKMVICHVVGENLQFLVSAGPA
 STTGSECQLYDVQLSPFHLKVKQFHMQEKRDIQITWSFTCAPETAIRIQPQAPGEKQVLEVNVLSEALKD
 LFKHLVSAASPSVFLSTKPMQAKEAQLQCTSSSTAQEPCKPPRAHELKLVKNIRVSLLNHPGASGIS
 HMCVAQLNEPAQRFISTLVRNTTDLSEEEFTFELNAKSKELLQISQEECSSEGLMGIATVHLDLFRKQ
 PNGPQTFRLVSGTEPESSVLGSVTAEFVYEPGDLKSWPAPPLVSATKIEKDRVTMPCGTVVTTVAVKT
 KPRFDTGRASPLSSESPVRTPIKVKVIEKDISVQAISCHSAPVSKTSSSDTELLVLNSSDPVAEVAIRQ
 LSESSKLKLSRKKSTIIISGISKTSLSQDHSAAALMLNYAASMDSTNQGATSALCHPEATEASATTPP
 EENEPALPVLEPREDDLDSWDLEKESPVASWGPVLQDPDGDELSESSLSTSELGAIKKHKEGILRKG
 AKLFFRRRHQKDPSSLQSHNDLVFLQQPEGRQKKGATLSRLLNRKLLTRHRGKHTLNGPPREPCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_199391

ORF Size: 2088 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_199391.1](#), [NP_955423.1](#)

RefSeq Size: 3814 bp

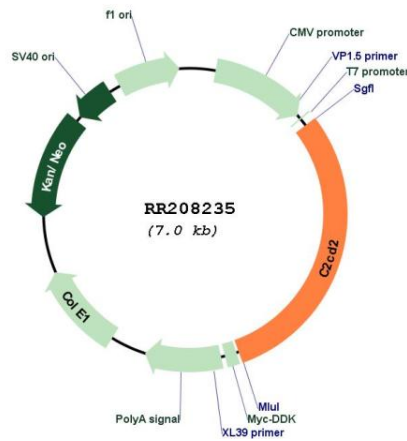
RefSeq ORF: 2091 bp

Locus ID: 304055

Cytogenetics: 11q12

MW: 76.5 kDa

Product images:



Circular map for RR208235