

## Product datasheet for **RR203042**

### **Cdc14b (NM\_001108404) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdc14b (NM_001108404) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc14b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR203042 representing NM\_001108404  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGCGTAAGAGCGAGCGGCGCTCGGCTTGGGCCACCGCGCCCCCTGCTCAGCCGAGCTCGTCTCT  
 CCTCTCCCGGTGTGAAGAAGAGCCGAGCTCCACGCCGAGGAGCTGCACCGCCTGGAGCAGCAGGACGA  
 CCTGTACCTGGACATCACGGATCGCCTTTGTTTGGCCATTCTCTACAGCAGACCAAGAGTGCATCAAAC  
 GAGCATTATTTACAGATAGATAACGAGCTAGAGTATGAGAACTTCTATGCGGATTTTGGACCACTCAATC  
 TGGCCATGGTTTACAGATATTGTTGCAAGATAAATAAGAAGCTCAAGTCCATTACAATGCTGAGGAAGAA  
 AATTATCCATTTTACCGCACTGATCAGAGAAAGCAAGCAATGCCGCCTTCTTATCGGGTGTATATG  
 GTTATATATTTGGGGAGGGCACCAGAAGACGCGTATAGAACATTAATCTTCGGGGATACAGCCTATATTC  
 CTTTCAGAGATGCTGCCTATGGAAGCTGCAGTTTCTACATTACACTTCTCGACTGTTTTTCATGCAGTAAA  
 AAAGGCAATCCAGTATGGCTTCTTAATTTCAACTCATTTAACCTCGATGAATATGAACACTATGAAAA  
 GCAGAAAAATGGAGATTTCAACTGGATAATACCAGAGCGGTTTCTTGCCTTCTGTGGGCCACACTCAAGAT  
 CCAGGCTGGAAAGTGGTTACCACCAACATTCTCCTGAGACTTATATTCCATATTTAAGAATCACAAATGT  
 AACTACCATTAATCCGCTGAATAAAAGGATGTATGATGCTAAGCGCTTACGGATGCTGGATTGATCAC  
 CATGATCTTTTCTTCCGGATGGCAGCACCCCTGCTGAGGCAATTGTCCAAGAATTTCTGGATATTTGTG  
 AAAATGTCGAGGGTGCCATTGCGGTGCATTGCAAAGCTGGCCTTGGTGAACAGGCACACTGATAGGCTG  
 CTACCTCATGAAACATTACAGGATGACAGCAGCCGAGAGCATTGCCTGGCTCAGGATCTGATGGCCCGGC  
 TCAGTGATTGGGCCCCAGCAACAGTTTCTGGTCATGAAGCAATCGAGCCTCTGGCTGGAAGGCGACTATT  
 TCCGTCAAAAGTTGAGAGGGCAGGAGAACGGACCCCTCAGAGAAGCCTTCTCAAACACCTTTTCAGATGT  
 TGATGACATTTGATAAATGGGCTTGAATCAAGACAGTCAAGAGCCTGAGCCGTATAGTGATGATGAT  
 GAAGTCAGTGGAGTGACACAAGGAGACAGACTTTCGGGCCCTGAAAAGCCGGAGACAGCCGAAAACCAACG  
 CTATCCCCCTCACAGTAATTCTTCAGTCCAGTGTTCAGAGCTCTAAAACCCCTGAACCTAACCTTTCTGG  
 CAGTGCAGGCATTACTAAACGAACCACCAGATCTGCTTCGGGAAAAAGCAGTCTTAAAAGCCTGGCTCCT  
 TGGAGGGAGAGGAGGAGGAGTGTCTTGCAGCACATGCCCATGCTGGCCTTATGTCCAGCCATTTCAA  
 GGACTAAGACAGTCTTACGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203042 representing NM\_001108404  
 Red=Cloning site Green=Tags(s)

MKRKSERRSAWATAPPCSRSSSSSPGVKKSRSSTPQELHRLEQQDDL YLDITDRLCFAILYSRPKSASN  
 EHYFSIDNELEYENFYADFGPLNLMVYRYCCKINKKLSITMLRKKIIHFTGTDQRKQANAFLIGCYM  
 VIYLGRAPEDAYRTLIFGDTAYIPFRDAAYGSCSFYITLLDCFHAVKKAIQYGFNFNSFNLDEYEHYEK  
 AENGDFNWIIPERFLAFCGPHSRSRLESGYHQHSPETYIPYFKNHNVTTIIRLNKRMVDKRFDTAGFDH  
 HDLFFPDGSTPAEAIQVEFLDICENVEGAIIVHCKAGLGRGTILIGCYLMKHYRMTAAESIWLRI CRPG  
 SVIGPQQQFLVMKQSSLWLEGDYFRQKLRQENGALREAFSKHLSVDVDDISINGLENQDSQEPYSDDD  
 EVSGVTQGDRLRALKSRRQPKTNAIPLTVILQSSVQSSKTPEPNL SGSAGITKRTRRSASGKSSSLKSLAP  
 WRERRRRSALQHMPMLALCPAISRTKTVLR

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_001108404

**ORF Size:** 1560 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\\_001108404.1](#), [NP\\_001101874.1](#)

**RefSeq Size:** 3141 bp

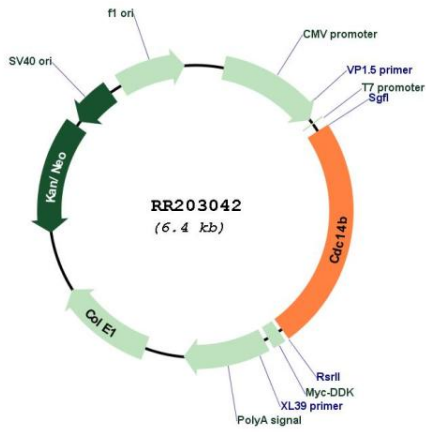
**RefSeq ORF:** 1563 bp

**Locus ID:** 361195

**Cytogenetics:** 17p14

MW: 59.3 kDa

Product images:



Circular map for RR203042