

Product datasheet for **RR206135**

Cdc23 (NM_001100659) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc23 (NM_001100659) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc23
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206135 representing NM_001100659
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGAATTCCTCGGTAGTCTCGGTGGCAGCGGCCGCCACGACGGTGCCGGCGGTGCCACTGTCC
 CGGATTTCTCAGACTTGGGGAAATTAAGCAGCTGCTGCTCATCGCGGCCTCACTCGGAGCGGGG
 CCTGCTGCACAGCAGCAATGGTCTGCGGAGTTGGCCTTCTCTGCCCCCTTGCCCTTTGTCTGAGCTG
 CAGCCGCCCGCCTTTACAGAGGAGGATGCACAGGATGTGGATGCTTACACCTGGCCAAAGCCTACT
 TTGACGTTAAAGAGTATGACCGGCAGCACATTTCTGCATGGCTGTAATAGCAAGAAAGCCTATTTCT
 GTACATGTATTCCAGATACCTGTCTGGAGAGAAGAAGGATGACGAAACAGTCGATAGCCTAGGACCC
 CTAGAAAAGGACAAGTCAAAAACGAGGCTCTCCGAGAACTGAGAGTGGAACTCAGCAGGAAGCACCAAG
 CTAGGGGACTTGATGGGTTGGCCTTTACCTGTATGGGGTGGTCTCGGAACTGGACTTAGTGAAGA
 GGCTATTGATGTGTTTGGAGGCTACTCATGTTCTGCCCTTGACTGGGGGCTGGTTGGAGCTGTGT
 AACCTGATCACAGACAAAGAGATGCTGAAGTTCCTGTCTTGCCTGACACCTGGATGAAGGAGTTCTTCT
 TGGCTCACATATACAGAATTGACAGCTGATAGAGGAGGCTTGCAGAAGTACCAGCATCTCATTGACGT
 GGGCTTTTCCAAGAGCTCATACATTGTTTCCCAAATCGCAGTTGCCTATCACAATATCAGAGATATCGAC
 AAAGCCCTTTCTATTTTCAATGAGCTGAGGAAACAAGTTCCTACAGGATTGAAAATATGGACACGTTCT
 CCAACCTTCTCTATGTCAGGAGCATGAAGTCTGAATTGAGTTACCTGGCACAACCTCTGTGAAATTGA
 TAAGTACCGAGTAGAGACATGCTGTGTAATTGGCAATTATTACAGCTTACGCTCCAGCATGAGAAAACA
 GCGTGTGATTTCCAGAGAGCCCTGAAATGGAATCCTAGGTACCTGGGGCCTGGACGCTGATGGGCATG
 AGTACATGGAAATGAAAACACATCTGGCGCTATTCAGGCTTACCGACATGCCATTGAGGTCAACAAGAG
 AGACTACAGAGCTTGGTATGGCCTTGGGCAGACCTACGAAATCCTTAAGATGCCATTTTATTGCTTTAT
 TATTATAGACGGGCCACCAGCTTCGGCCAACGATTCTCGTATGCTGGTTGCCTTAGGAGAATGTTATG
 AGAAACTCAACTAGTGGAAGCCAAAAAGTGTATTGGAGAGCATACGCTGTGGGAGATGTGGAGAA
 AATGGCTCTGGTGAAGCTGGCCAAGCTTCAAGACAGTTGACTGAGTCAAGCAGGCTGCCAGTGTAC
 ATCAAATACATCCAAGATATCTATTCTGTGGGAAACAGTGGAGCACTTAGAGGAGAGCACAGCCTTCC
 GCTACCTGGCCAGTACTATTTAAATGCAAGCTGTGGGATGAAGCTTCAACTTGTGCCAAAAATGTTG
 TGCATTCAATGATACCCGGAAGAAGGTAAAGCCTTGTCCGCCAGATCTACAGCTGAGGAACCAAGGG
 GAGACACCCACCTGACACGCCTGGTACCTTTTCTCCCTGCCTCACTGTCTGCAACAACTCCCA
 CACGAGAGTTTCTCACTCAACTGTCTTCAGTCACACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206135 representing NM_001100659
 Red=Cloning site Green=Tags(s)

MAANSSVVSVA AATTVPGVSTVADFSDLREIKKQLLLIAGLTRERGLLHSSKWSAELAFSLPALPLSEL
 QPPPLTEEDAQVDVAYTLAKAYFDVKEYDRAAHFLHGCNSKKAYFLYMSRYLSGEKKKDETVDSLGP
 LEKGQVKNELRELRLVELSRKHQARGLDGFLYLYGVVLRKLDLVEAIDVFEATHVPLPHWGAWLELC
 NLITDKEMLKFLSLPDTWMKEFFLAHIYTELQLIEEALQKYQHLIDVGFSSSYIVSQIAVAYHNIIRDID
 KALSIFNELRKQDPYRIENMDTFSNLLYVRSMKSELSYLAHNLCEIDKYRVETCCVIGNYYLSRQHEKA
 ALYFQRALKLNPRYLGAWTLMGHEMEMKNTSAAIQAYRHAIEVNRDYLRAWYGLGQTYEILKMPFYCLY
 YYRRAHQLRPNDSRMLVALGECYEKLNQLVEAKCYWRAYAVGDVEKMALVKLAKLHEQLTESEQAQCY
 IKYIQDIYSCGETVEHLEESTAFRYLAQYFFKCKLWDEASTCAQKCCAFNDTREEGKALLRQILQLRNQG
 ETPTSDTPGTFFLPASLSANNTPTRRVSPLNLSVTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

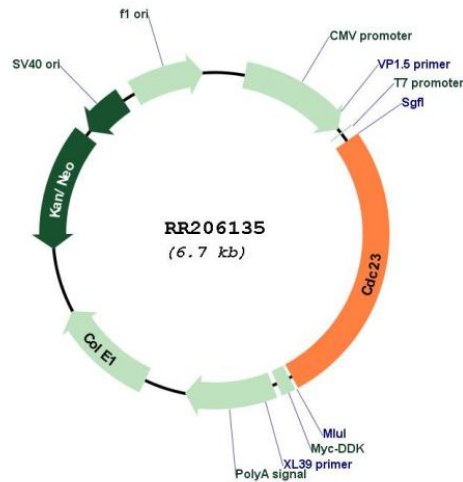
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001100659

ORF Size:	1791 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_001100659.1 , NP_001094129.1
RefSeq Size:	3281 bp
RefSeq ORF:	1794 bp
Locus ID:	291689
Cytogenetics:	18p12
MW:	68.6 kDa