

Product datasheet for **RR213219**

Cdc20 (NM_171993) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc20 (NM_171993) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc20
Synonyms:	p55cdc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR213219 representing NM_171993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAGTTCGTGTTTCGAGAGCGATTTGCATTCCTCACTGCTTCACTGGACGCGCCCATCCCAATGCAC
 CGATTGCTCGCTGGCAGCGCAAAGCAAAGAAGCCACAGGCCAGCCCTCGCCTATGCGGGCCGCCAA
 CAGATCACACAGCGCGGTTCGGACCCCGGGCCGAACCTCTGGCAAATCTAATTCTAAGGTTAGACCACC
 CCTAGCAAACCTGGAGGTGACCGCTATATCCCCAACGTAGTGCTTCCAAATGGAGGTGGCCAGCTTCC
 TCTTGAGCAAGGAGAACCAGCCGGAAGACGGGGTACGCCACCAAGAAGGAGCATCAGAAAGCCTGGGC
 TCGAACCTGAACGTTTTGATGTGGAGGAAGCAAGATCCTCAGGCTCAGTGGAAAACCTCAGAATGCC
 CCAGAAGGCTACCAGAACAGATTGAAAGTACTCTACAGCCAGAAAGCCACGCCTGGCTCCAGTCGGAAGG
 CTTGCAGATACATTCTCCCTGCCAGACAGGATCTTGATGCCCTGAAATCCGGAATGACTACTACCT
 GAATCTTGTCGATTGGAGCTCTGAAAATGTATTAGCTGTGGCACTGGACAACAGTGTGTACTTATGGAAC
 GCTGGTTCGGGTGACATCCTGCAGCTGTTGCAAATGGAGCAGCCTGGGGACTACATATACCGTGGCCT
 GGATCAAAGAGGGCAACTACCTGGCTGTGGCACCAGTAATGCTGAGGTGACGCTATGGGATGTGCAGCA
 GCAGAAACGGCTTCGAAACATGACCAGCCACTCTGCTCGAGTAAGCTCCCTGAGTTGGAACAGCTATATC
 CTGTCAAGTGGTTCACGATCTGGCCACATCCACCACCAGATGTTTCGAGTAGCAGAACACCATGTGGCCA
 CACTGAGTGGCCATAGCCAGGAAGTATGTGGGCTGCGCTGGGCCCCAGATGGACGACATCTGGCAAGCGG
 TGGCAATGATAACATTGTCAACGTGTGGCCTAGTGGTCTGGAGAAAGTGGCTGGGTTCCCTGCAGACA
 TTCCTCAACATCAAGGTGCTGTCAAGGCTGTTGCATGGTGTCCCTGGCAGTCCAATATCCTGGCAACAG
 GAGGAGTACCAGTGACCGACACATTGCAATTTGGAACGCTGCTCTGGAGCCTGTCTGATGCTGTGGA
 TGTGCATTCCCAGGTGTGCTCCATCCTCTGGTCTCCCCACTATAAGGAGCTCATCTCAGGCCATGGCTTT
 GCCCAGAACCAGCTGGTTATTTGGAAGTACCAACCATGGCCAAGGTGGCAGAGCTCAAAGTACACACAG
 CCCGGTCTGAGTCTCACCATGAGTCCAGACGGGGCCACAGTGGCATCTGCAGCAGCCGATGAGACTCT
 GCGGCTCTGGCGCTGCTTTGAGCTGGACCCTGCCCTTCGGCGGGAGCGGGAAAAAGCCAGCACATCTAAA
 AGTAGCCTCATCCACCAAGGCATCCGG

**ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR213219 representing NM_171993
 Red=Cloning site Green=Tags(s)

MAQFVFESDLHSLQLDAPIPNAPIARWQRKAKEATGPAPSPMRAANRSHSAGRTPGRTPGKSNKSVQTT
 PSKPGGDRYIPQRSASQMEVASFLLSKENQPEDGGTPTKKEHQKAWARNLNGFDVEEAKILRLSGKPNQNA
 PEGYQNRLKVLYSQKATPGSSRKACRYIPSLPDRILDAPEIRNDYYLNLVDWSSGNVLAVALDNSVYLVN
 AGSGDILQLLQMEQPGDYISSVAWIKEGNLAVGTSNAEVQLWDVQKRLRNMTSHSARVSSLSWNSYI
 LSSGSRSGIHHHDVRAEHHVATLSGHSQEVCLRWAPDGRHLASGGNDNIVNVWSPGSGESGWVPLQT
 FTQHQAQVAVAWCPWQSNILATGGGTSRHRIRIWNVCSGACLSAVDVHSQVCSILWSPHYKELISGHGF
 AQNQLVIWKYPTMAKVAELKGHTARVLSLTMSPDGATVASAAADETLRLWRCFELDPALRREREKASTSK
 SSLIHQIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_171993

ORF Size: 1497 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_171993.1](#), [NP_741990.1](#)

RefSeq Size: 1777 bp

RefSeq ORF: 1500 bp

Locus ID: 64515

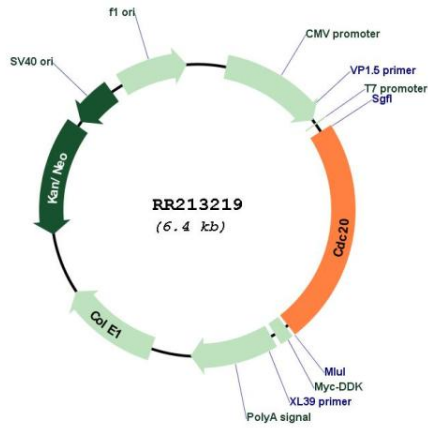
UniProt ID: [Q62623](#)

Cytogenetics: 5q36

MW: 54.8 kDa

Gene Summary: may play a role in cell cycle regulated protein degradation [RGD, Feb 2006]

Product images:



Circular map for RR213219