

Product datasheet for **RR201505**

Cdc27 (NM_001024793) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc27 (NM_001024793) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201505 representing NM_001024793
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGTGTGCAGAACCTGTCCAGGCTGTATATGGCAAGCACTAAACCACTATGCTTACCGAGACG
 CAGTTTTCTCGCAGAAGCACTATATGCAGAAGTACATTCAGAAGAAGCCTTGTTTTCTACTGGCGACCTG
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 GTGGAGTGTAAATAAGCAAAAAGCCATGACGACCTGTCACTGAGTTGGTGATTGAGCTTGTCTCAC
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 GAATTAACAGACTGAACCTAGAATCTTCCAATCAAAGTACTCCTTGAATACAGATTCTCCGTGTCTT
 ACATTGATTGAGCTGTAATTTACCAGATAACGTCCCCCTTGGAACTGGTCTTCCATATATCTAAACA
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 GCCAATAATCAGATTAAGAGGGCAATTGACAAGCGCTACCTTCCAGATGATGAGGAGCCGATAACCCAGG
 AGGAGCAGATCATGGAAACAGATGAATCCAGGAGAGCAGCATGACAGATGCAGATGACACTCAACTTCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201505 representing NM_001024793
 Red=Cloning site Green=Tags(s)

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MTVLQEPVQAAIWQALNHAYRDAVFLAERLYAEVHSEEALFLLATCYRSGKAYKAYRLLKGHSCTTPQ
CKYLLAKCCVDLSKLAEGEQILSGGVFNKQKSHDDLVTDFGDSACFTLSLLGHVYCKTDRLAKGSECYQK
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ELNRLNLESSNSKYSLNTDSSVSYIDSAVISPDNVPLGTGPSILSKQVQNKPKTGRSLLGGPTALSPLTP
SFGILPLETPSPGDGSYLQNYTNTPSVIDVPSTGAPTKKSVARMGHTGAKSVFSQSGNSREATPVLYAQT
QSSGPQTSTTPQVLSPTITSPPNALPRRSSRLFTSDSSTTKENSKLKMKFPPKIPNRKTKSKTNKGGIT
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NPRHYNAWYGLGMIYYKQEKFLAEMHFQKALDINPQSSVLLCHIGVVQHALKKSEKALDTLNKAIVIDP
KNPLCKFHRSVLFANEKYKSALQELEELKQIVPKESLVYFLIGKVYKLGQTHLALMNF SWAMDLDPKG
ANNQIKEAIDKRYLPDDEEPIQEEQIMGTDESQESSMTDADDTQLHAAESDEF
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_001024793.1](#), [NP_001019964.1](#)

RefSeq Size: 3045 bp

RefSeq ORF: 2475 bp

Locus ID: 360643

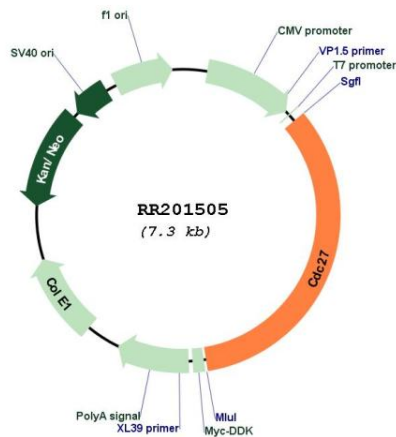
UniProt ID: [Q4V8A2](#)

Cytogenetics: 10q32.1

MW: 91.7 kDa

Gene Summary: Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR201505