

Product datasheet for **RC221121**

CDC14B (NM_003671) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC14B (NM_003671) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC14B
Synonyms:	Cdc14B1; Cdc14B2; CDC14B3; hCDC14B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221121 representing NM_003671
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCGGAAAAGCGAGCGCGGTCGAGCTGGGCGCCGCGCCCTGCTCGCGGCGCTGCTCGTCGA
 CCTCGCCGGGTGTGAAGAAGATCCGCAGCTCCACGCAGCAAGACCCGCGCCGGGACCCAGGACGA
 CGTGTACCTGGACATCACCGATCGCCTTTGTTTTGCCATTCTCTACAGCAGACCAAAGAGTGCATCAAAT
 GTACATTATTTACAGCATAGATAATGAACCTGAATATGAGAACTTCTACGCAGATTTGGACCACTCAATC
 TGGCAATGGTTTACAGATATTGTTGCAAGATCAATAAGAAATTAAGTCCATTACAATGTTAAGGAAGAA
 AATTGTTCAATTTACTGGCTCTGATCAGAGAAAACAAGCAATGCTGCCTTCCTGTTGGATGCTACATG
 GTTATATATTTGGGAGAACCCAGAAGAAGCATAGAATTAATCTTTGGAGAGACATCCTATATTC
 CTTTCAGAGATGCTGCCTATGGAAGTTGCAATTTCTACATTACACTTCTTGACTGTTTTTCATGCAGTAAA
 GAAGGCAATGCAGTATGGCTTCTTAATTTCAACTCATTTAACCTTGATGAATATGAACACTATGAAAAA
 GCAGAAAATGGAGATTTAAATTGGATAATACCAGACCGATTTATTGCCTTCTGTGGACCTCATTCAAGAG
 CCAGACTTGAAAGTGTTACCACCAACATTCTCCTGAGACTTATATTCAATATTTAAGAATCACAAATGT
 TACTACCATTTTCGCTGAATAAAGGATGTATGATGCCAAACGCTTTACGGATGCTGGCTTCGATCAC
 CATGATCTTTTCTTTGCGGATGGCAGCACCCCTACTGATGCCATTGTCAAAGAATTCCTAGATATCTGTG
 AAAATGCTGAGGGTGCCATTGCAGTACATTGCAAAGCTGGCCTTGGTCGCACGGGCACTCTGATAGCCTG
 CTACATCATGAAGCATTACAGGATGACAGCAGCCGAGACCATTGCGTGGGTCAGGATCTGCAGACCTGGC
 TCGGTGATTGGCCTCAGCAGCAGTTTTTGGTGATGAAGCAAACAACCTCTGGCTGGAAGGGGACTATT
 TTCGTGAGAAGTTAAAGGGGCAGGAGAATGGACAACACAGAGCAGCCTTCTCAAACCTTCTCTGGCGT
 TGATGACATTTCCATAAATGGGGTCGAGAATCAAGATCAGCAAGAACCAGAACCGTACAGTGATGATGAC
 GAAATCAATGGAGTGACACAAGGTGATAGACTTCGGGCCTTGAAAAGCAGAAGACAATCCAAAACAAACG
 CTATTCCTCTCACTCTCTCCATTTCAAGGACTAAAACAGTCTTGCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221121 representing NM_003671
 Red=Cloning site Green=Tags(s)

MKRKSERRSSWAAAPCSRCSSTSPGVKKIRSSTQQDPRRRDPQDDVYLDITDRLCFAILYSRPKSASN
 VHYFSIDNELEYENFYADFGPLNLMVYRYCCKINKKLSITMLRKKIVHFTGSDQRKQANAFLVGCYM
 VIYLRTPPEEAYRILIFGETSYIPFRDAAYGSCNFYITLLDCFHAVKKAMQYGFNFNSFNLDEYEHYK
 AENGLNWIIPDRFIAFCGPHSRARLESYHQHSPETYIQYFKNHNVTTIIRLNKRMYPDARFTDAGFDH
 HDLFFADGSTPTDAIVKEFLDICENAEGAIIVHCKAGLGRGTGLIACYIMKHRYMTAAETIAWVRCRPG
 SVIGPQQQFLVMKQTNLWLEGDYFRQKLKGQENGQHRAAFSKLLSGVDDISINGVENQDQEQPEPYSDDD
 EINGVTQGDRLRALKSRRQSKTNAIPLTLSISRTKTVLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

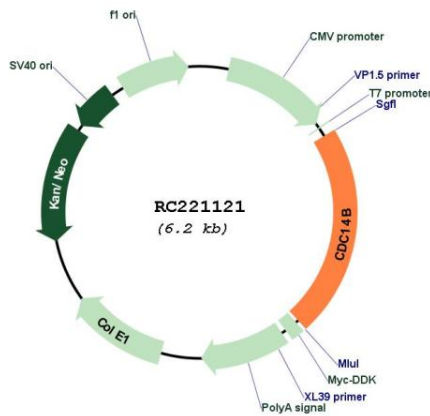
Restriction Sites:

Sgfl-Mlul

Cytogenetics: 9q22.32-q22.33
Domains: Y_phosphatase, DSPc, PTPc_motif
Protein Families: Druggable Genome, Phosphatase
Protein Pathways: Cell cycle
MW: 52.8 kDa

Gene Summary: The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. This protein is highly similar to *Saccharomyces cerevisiae* Cdc14, a protein tyrosine phosphatase involved in the exit of cell mitosis and initiation of DNA replication, which suggests the role in cell cycle control. This protein has been shown to interact with and dephosphorylates tumor suppressor protein p53, and is thought to regulate the function of p53. Alternative splice of this gene results in 3 transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC221121