

Product datasheet for RR202049

Cdc37 (NM_053743) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc37 (NM_053743) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc37
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202049 representing NM_053743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGGACTACAGCGTTTGGGATCACATCGAGGTGTCGGACGATGAGGACGAGACGCCACCCCAACATAG
ACACGGCCAGCCTGTTCCGCTGGCGGCACCAGGCCGGTGAACGCATGGAACAGTTTCAGAAGGAGAA
AGAAGAAGTGGACCGGGCTGCCGGAATGCAAGCGCAAGTAGCCGAGTTCAGCGCAAGCTGAAGGAA
CTGGAAGTGGCTGAGGGTGGTGGCCAGGTGGAGCTTGAGCGGCTTCGAGCGGAGGCACAGCAGCTGCGCA
AGGAGGAGCGAACTGGGAGCAGAAGCTGGAGGACATGCGGCAAAAAGGAGAAGAACATGCCTGGAATGT
GGACACACTCAGCAAAGATGGCTTCAGCAAGAGCATGGTCAATACCAAGCCTGAGAAGGCAGAGGAAGAC
TCAGAGGAGGCAAGGGAGCAGAAACACAAGACCTTCGTTGAAAAATACGAGAAACAGATCAAACATTTTCG
GCATGCTCCACCGCTGGGATGACAGCCAGAAGTACCTGTCAGACAATGTCCACCTGGTGTGCGAGGAGAC
AGCCAACCTACCTGGTTATCTGGTGCATTGACCTGGAAGTCGAGGAGAAGTGTGCCCTGATGGAGCAGGTG
GCTCACCAGACCATGGTCATGCAGTTCATCCTGGAGTTGGCCAAGAGTCTGAAGGTCGACCCCGGGCCT
GCTTCCGGCAGTTTTTCACCAAGATCAAGACTGCTGACCAGCAGTACATGGAGGGCTTCAAGTATGAACT
GGAGGCCCTTAAGGAGCGTGTGCGGGGCCGCGCAAGCTGCGAATAGAGAAGGCCATGAAGGAGTACGAG
GAGGAGGAGCGCAAGAAGAGGCTAGGCCCTGGTGGCCTGGACCCTGTGGAGGTCTACGAATCTCTGCCTG
AGGAGCTGCAGAAGTGTCTTGTGTGAAGGATGTACAGATGCTGCAAGACGCCATCAGCAAGATGGATCC
TACTGATGCCAAGTATCACATGCAGCGTTGCATCGATTCTGGCCTCTGGGTCCCCAACTCCAAGTCTGGT
GAGGCCAAGGAGGGGAGGAGGCCGGGCCCGGGGACCCATTGCTGGAAGCCGTCCCCAAGCGGGCTTCG
AGAAAGACATCAGTGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202049 representing NM_053743
Red=Cloning site Green=Tags(s)

MVDYSVWDHIEVSDDDETHPNIDTASLFRWRHQARVERMEQFQKEKEELDRGCRECKRVAEFQRKLKE
 LEVAEGGGQVELERLRAEAQQLRKEERTGSRSWRTCCKKKEKNMPWNVDLTKDGFSKSMVNTKPEKAEED
 SEEAREQKHKTVEKYEKQIKHFGMLHRWDDSQKYLSDNVHLVCEETANYLVIWCIDLEVEEKCALMEQV
 AHQTMVMQFILELAKSLKVDPRACFRQFFTKIKTADQQYMEGFKYELFAFKERVGRAKLRIEKAMKEYE
 EEERKKRLGPGGLDPVEVYVYSLPEELQKCFDVKDVQMLQDAISKMDPTDAKYHMQRCDISGLWVPNSKSG
 EAKEGEEAGPGDPLLEAVPKAGFEKDISA

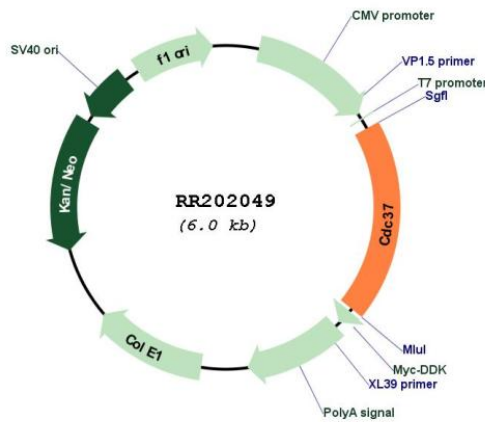
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053743

ORF Size:	1137 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_053743.1 , NP_446195.1
RefSeq Size:	1604 bp
RefSeq ORF:	1140 bp
Locus ID:	114562
UniProt ID:	Q63692
Cytogenetics:	8q13
MW:	44.4 kDa
Gene Summary:	may play a role in regulation of the cell cycle [RGD, Feb 2006]