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Product datasheet for MR205904

Cdc37 (NM_016742) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc37 (NM_016742) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc37
Synonyms:	p50; p50Cdc37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205904 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGGACTACAGCGTTTGGGATCACATCGAGGTGTCGGACGATGAGGACGAGACGCACCCCAACATAG
ACACTGCCAGCCTCTTCCGCTGGCGGCACCAGGCCCGGGTGGAACGCATGGAGCAGTTTCAGAAGGAGAA
AGAGGAACTGGACCGGGGCTGCCGGGAGTGCAAGCGCAAGGTAGCCGAGTGCCAGCGCAAGCTGAAGGAG
CTGGAAGTGGCTGAGAGCGATGGCCAGGTGGAGCTTGAGCGGCTGAGAGCTGAGGCACAGCAACTGCGCA
AGGAGGAGCGGAGCTGGGAGCAGAAGCTGGAAGACATGCGCAAAAAGGAGAAGAACATGCCCTGGAATGT
GGACACGCTCAGCAAAGATGGCTTTAGCAAGAGCATGGTCAATACCAAGCCTGAGAAGGCAGAGGAGGAC
TCAGAGGAGGCAAGGGAGCAGAAACACAAGACCTTCGTTGAAAAATATGAGAAACAGATCAAGCATTTCG
GCATGCTCCACCGCTGGGATGACAGCCAGAAATACCTGTCGGACAACGTCCACCTGGTGTGTGAGGAAAC
GGCCAACTACCTGGTTATCTGGTGCATTGACCTGGAGGTAGAGGAGAAATGTGCACTGATGGAGCAGGTA
GCTCACCAGACCATGGTGATGCAGTTTATTCTGGAGCTGGCCAAGAGTCTGAAGGTCGACCCCCGAGCCT
GCTTCCGGCAGTTTTTCACCAAGATCAAGACCGCTGACCACCAGTACATGGAGGGCTTCAAGTATGAACT
GGAAGCCTTTAAGGAGCGAGTGCGGGGCCGCGCCAAGCTGCGAATAGAGAAGGCCATGAAGGAATATGAA
GAGGAGGAGCGCAAGAAGAGGCTAGGCCCTGGTGGCCTGGACCCCGTGGAGGTCTACGAATCCCTGCCTG
AGGAGCTGCAGAAGTGCTTTGATGTGAAGGATGTACAGATGCTGCAAGACGCCATCAGCAAAATGGATCC
CACTGATGCCAAGTATCACATGCAGCGTTGCATCGATTCTGGCCTCTGGGTCCCCAACTCCAAGTCTGGT
GAGGCCAAGGAGGGGGAGGAGGCGGGCCCCGGGGACCCATTGCTGGAAGCCGTCCCCAAAGCGGGCAACG
AGAAAGACGTCAGTGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

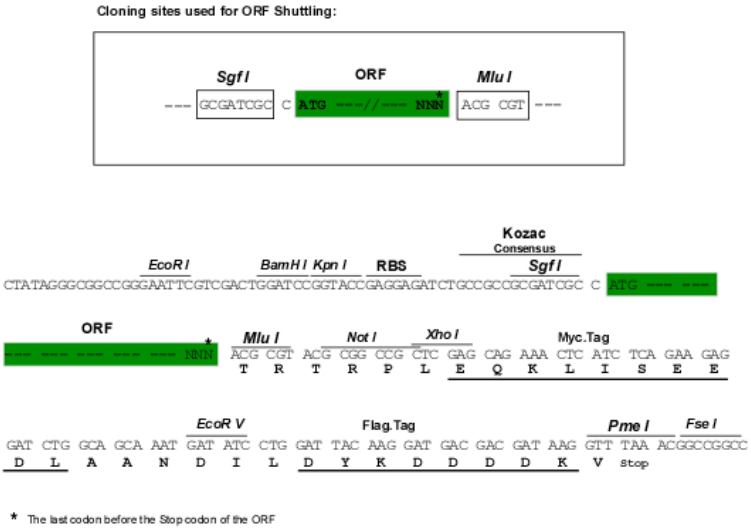
>MR205904 protein sequence
Red=Cloning site Green=Tags(s)

MVDYSVWDHIEVSDDEDETHPNIDTASLFRWRHQARVERMEQFQKEKEELDRGCRECKRKVAECQRKLKE
LEVAESDGQVELERLRAEAQQLRKEERSWEQKLEDMRKKEKNMPWNVDTLSKDGFSKSMVNTKPEKAEED
SEEAREQKHKTFVEKYEKQIKHFGMLHRWDDSQKYLSDNVHLVCEETANYLVIWCIDLEVEEKCALMEQV
AHQTMVMQFILELAKSLKVDPRACFRQFFTKIKTADHQYMEGFKYELEAFKERVRGRAKLRIEKAMKEYE
EEERKKRLGPGGLDPVEVYESLPEELQKCFDVKDVQMLQDAISKMDPTDAKYHMQRCIDSGLWVPNSKSG
EAKEGEEAGPGDPLLEAVPKAGNEKDVSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016742

ORF Size: 1140 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_016742.5

RefSeq Size: 2456 bp

RefSeq ORF: 1140 bp

Locus ID: 12539

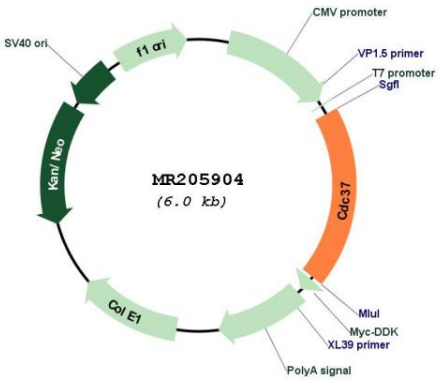
UniProt ID: Q61081

Cytogenetics: 9 A3

MW: 44.6 kDa

Gene Summary: Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex, resulting in stabilization and promotion of their activity. Inhibits HSP90AA1 ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205904