

Product datasheet for **MG205904**

Cdc37 (NM_016742) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc37 (NM_016742) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdc37
Synonyms:	p50; p50Cdc37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205904 representing NM_016742 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACTACAGCGTTTGGGATCACATCGAGGTGTCCGACGATGAGGACGAGACGCACCCCAACATAG
ACACTGCCAGCCTCTTCCGCTGGCGGCACCAGGCCGGTGAACGCATGGAGCAGTTTCAGAAGGAGAA
AGAGGAACTGGACCGGGCTGCCGGGAGTGCAAGCGCAAGGTAGCCGAGTGCCAGCGCAAGCTGAAGGAG
CTGGAAGTGGCTGAGAGCGATGGCCAGGTGGAGCTTGGAGCGCTGAGAGCTGAGGCACAGCAACTGCCGA
AGGAGGAGCGGAGCTGGGAGCAGAAGCTGGAAGACATGCGCAAAAAGGAGAAGAACATGCCCTGGAATGT
GGACACGCTCAGCAAAGATGGCTTTAGCAAGAGCATGGTCAATACCAAGCCTGAGAAGGCAGAGGAGGAC
TCAGAGGAGGCAAGGGAGCAGAAACACAAGACCTTCGTTGAAAAATATGAGAAACAGATCAAGCATTTCG
GCATGCTCCACCGCTGGGATGACAGCCAGAAAACCTGTCCGGACAACGTCCACCTGGTGTGTGAGGAAAAC
GGCCAACCTACCTGGTTATCTGGTGCATTGACCTGGAGGTAGAGGAGAAAATGTGCACTGATGGAGCAGGTA
GCTCACCAGACCATGGTATGATGAGTTTATTCTGGAGCTGGCCAAGAGTCTGAAGTTCGACCCCGAGCCT
GCTTCCGGCAGTTTTTACCAAGATCAAGACCGCTGACCACAGTACATGGAGGGCTTCAAGTATGAACT
GGAAGCCTTTAAGGAGCGAGTGGGGCCCGCCCAAGCTGCGAATAGAGAAGGCCATGAAGGAATATGAA
GAGGAGGAGCGCAAGAAGAGGCTAGGCCCTGGTGGCCTGGACCCCGTGGAGGTCTACGAATCCCTGCCTG
AGGAGCTGCAGAAGTGTCTTGTGTAAGGATGTACAGATGCTGCAAGACGCCATCAGCAAAATGGATCC
CACTGATGCCAAGTATCACATGCAGCGTTGCATCGATTCTGGCCTCTGGGTCCCCAACTCCAAGTCTGGT
GAGGCCAAGGAGGGGAGGAGGCGGGCCCGGGACCCATTGCTGGAAGCCGTCCCCAAGCGGGCAACG
AGAAAGACGTCAGTGCG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205904 representing NM_016742
Red=Cloning site Green=Tags(s)

MVDYSVWDHIEVSDDDETHPNIDTASLFRWRHQARVERMEQFQKEKEELDRCRECKRQVAECQRKLKE
 LEVAESDGQVELERLRAEAQQLRKEERSWEQKLEDMRKKKEKNMPWNVDLTKDGFSKSMVNTKPEKAEED
 SEEAREQKHKTFVEKYEKQIKHFGMLHRWDDSQKYLSDNVHLVCEETANYLVIWCIDLEVEEKCALMEQV
 AHQTMVMQFIELELAKSLKVDPRACFRQFFTKIKTADHQYMEGFKYELEAFKERVGRAKLRIEKAMKEYE
 EEERKKRLGPGGLDPVEVYSLPEELQKCFDVKDVQMLQDAISKMDPTDAKYHMQRCDISGLWVPNSKSG
 EAKEGEEAGPGDPLLEAVPKAGNEKDVSA

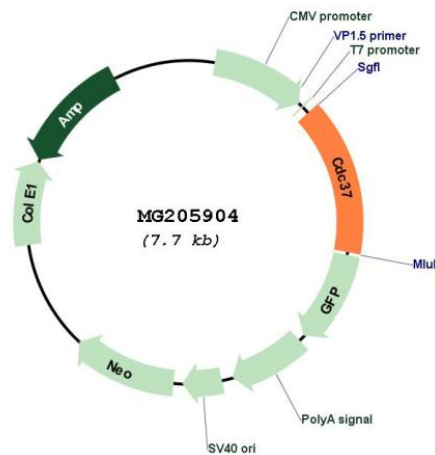
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_016742

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_016742.5
RefSeq Size:	2458 bp
RefSeq ORF:	1140 bp
Locus ID:	12539
UniProt ID:	Q61081
Cytogenetics:	9 A3
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]