

Product datasheet for **RN206006**

Cdc42bpb (NM_053620) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc42bpb (NM_053620) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdc42bpb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206006 representing NM_053620 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCCAAGGTGCGGCTCAAGAAGCTGGAGCAGCTGCTCCTGGACGGGCCGTGGCGCAATGAGAGCT
CCCTGAGCGTGGAGACGCTGCTGGACGTGCTGGTGTGCCTTTACACCGAGTGCAGCCACTCGGCGTGGC
CCGCGACAAGTATGTGGCGGAGTTCCCTCGAGTGGGCTAAGCCATTCACCCAGCTCGTGAAGGACATGCAG
CTTCATCGGGAGGACTTTGAGATCATCAAAGTATTGGAAGAGGAGCTTTTGGTGAGTTGCTGTGTGCA
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TGCTGAGTAAGTTTGAAGACAACTTCCAGAAGACATGGCGAGGTTCTACATTGGCGAGATGGTGTGGC
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CCGTGGCTGTGGGCACACCTGACTACATCTCACCAGAGATCCTGCAGGCCATGGAGGATGGCATGGGCAA
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CGGAACCTGGAAGCACCTACATTTCCCGATGTGAGCAGCCCTTCTGACACGTCCAACCTTCGATGTGGACG
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TCTAACACGCTAACCAAAGATGAGGATGTGACGCGGATTTGGAGAACAGCTTGCAGATCGAAGCTTACG
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CCGTGACCCTTCGCCAGGAGCATGAAGACTCCACACAACGGCTGAAGGGCTGGAGAAGCAGTACCGCCT



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GGCACGGCAGGAGAAGGAAGAATTGCACAAGCAATTGGTTGAAGCTTCAGAGCGATTGAAATCCCAGACC
 AAAGAACTCAAAGATGCTCATCAGCAGCGAAAACGGGCCCTGCAGGAGTTTTTCAGAGCTCAATGAGCGCA
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 ATCCAGGGGACGGGCAGCCTCTAGACCTGGTAAATCCCGCTGACCCCTCGCTCGGTTCTCTCACAGC
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 TCCGACCAACTTCAACCAGTGGCTCACATGGGCCCTGGCGATGGGATGCAGGTGCTCATGGACCTGCCT
 CTGAGTGTGCGCCACAGCCCAGGAGGAAAAGCAGGGTCTGCCCAACAGGCCTCCCTCGGCAGCTCC
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 CCGTCCAACAGCTCCAACCTAGCGGCCCCCGAGCCCAACTACCCGCACCGGAGCCAGCTCCCTCTGG
 AAGGCCTGGACCAGCCAGCCTGCGACGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053620

Insert Size: 5142 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_053620.3](#), [NP_446072.2](#)

RefSeq Size: 6397 bp

RefSeq ORF: 5142 bp

Locus ID: 113960

UniProt ID: [Q7TT49](#)

Cytogenetics: 6q32

Gene Summary: serine/threonine protein kinase; mediates myosin light chain phosphorylation [RGD, Feb 2006]