

Product datasheet for RN213192

Cdc42bpa (NM_053657) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc42bpa (NM_053657) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdc42bpa
Synonyms:	Mrck; Pk428
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213192 representing NM_053657 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTCGGAGAAGTGCCTTTGAGGCAGTTGGAACAGTTTATTTTAGATGGGCCAGCTCAGACCAATGGGC
 AGTGCTTCAGTGTGGAGACGTTACTGGACATACTCATCTGTCTTTATGATGAATGCAATAATTCTCCATT
 GAGAAGAGAGAAGAACATTCTTGAATATCTAGAATGGGCTAAACCATTCACTTCTAAAGTGAAGCAAATG
 CGCTTACATAGAGAAGACTTCGAAATATTAAGGTGATTGGTCGAGGAGCTTTTGGTGAGGTTGCTGTAG
 TTAAGTGAAGAAATGCAGATAAAGTATTTGCCATGAAATCTGAACAAGTGGGAAATGCTGAAAAGAGC
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 CCTCAGTGGCAGTTGGAATCCAGACTACATTTCCCGGAAATCCTTCAGGCTATGGAGGACGGGAAAGG
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 CCATTCTATGCGGAATCTCTGGTGGAGACATATGGAATAATGAATCATAAAGAGAGGTTTCAGTTTC
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AGTCTGAAAGAAGAGATTGAAAACTAAGAAAACAAGTAGCAGAAGTGAATCATTTGGAACAACAACCTTG
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TGCTGTGTTTTAGCAGCATTGGGATATACAGGACTGCCAGGGCCGAAGATCTAGACAGCAGGAAGTGT
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CTGAAGGATCATTAAATCTTTAGGGTTGGAGACCATTAGATTAAATATTTTCAAAAATAAGATGGCAGA
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GAAGCGACAGCCATGCCCTCTCCCTCAGAAGGCTCTTTGTATCAGGAGGCGTGGACCAAGGAAGTGAC
GCCCCGTGAGGGACTATGATGGAGAGGACTCTGATTCTCAAGGCATTCACAGCTTCCAACAGCTCTA

ACCTGAGCAGCCCCCAAGCCCCGTTTCACCCCGAAAGACCAAGAGCCTCTCCTTGGAGAGCACAGACCG
TGGGAGCTGGGATCCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053657
Insert Size:	5199 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:	<u>NM_053657.1, NP_446109.1</u>
RefSeq Size:	6335 bp
RefSeq ORF:	5199 bp
Locus ID:	114116
UniProt ID:	<u>O54874</u>
Cytogenetics:	13q26
Gene Summary:	catalyzes the phosphorylation of Ser19 of nonmuscle myosin light chain; binds GTP-Cdc42 and plays a role in cytoskeleton organization [RGD, Feb 2006]