

Product datasheet for **MC200039**

Cdc42ep4 (NM_020006) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Cdc42ep4
Synonyms:	1500041M20Rik; Borg4; CEP4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>BC003857 sequence for NM_020006
 GCCATGGGTCGCCAGCCTTGCCGAGGCGCCAAGCACACCGAGGGGAGCGTACAGCCGCACCTGGTCCGCG
 CTCGGGGAGCTGGGACCGAGCCCTCTGATTGCCCTGTCTACCTTTGCATTGCTGGACTTCAGATCTGA
 CCCCATTACCTGCCTGTTGCCCTGGGAGTGCCCAAGCTCCCCCGCAGCCAGCACGATGCCCAATCTCAAAACA
 GCTGGTGTCCAGCTCTGTGAACTCGAAGCGCCGCTCACGTGCGGACCTCACAGCCGAGATGATCAGTGCC
 CCGCTGGGTGACTTCGCCACACCATGCATGTGGGCCGGGCTGGGACGCTTTGGGACACGTCTTTCC
 TCACTAGCAAGGCCAGGAGGAGCAGACGAGTCCCTGGATGAACAGGCCTCGGCTTCCAAGCTCAGCCT
 CCTGTCCAGGAAGTTCCGGGGCAGCAAGCGTTACAGTCCGTGACCAGAGGGGACCGGGAGCAGAGAGAC
 ATGCTGGGCTCCCTGCGGGAAGTCAAGTGTGCAAGTGTCCCTGCCTCAGCTCAATGAGA
 AGGAAGCCGCGGAGAAGGACTCGAGCAAGTGCCTCAAGAGCCTGTGTCAGCCCTGTGAAGAAGGCAGA
 CGCTAGAGATGGTGGCCGAAGAGTCCCCATCGGAACGGGGCCACAGGCCCCCACTCACCTGACCCACTC
 CTTGACGAGCAGGCCTTTGGGGACCTGATGGATCTGCCCATCATGCCCAAAGTCAAGTACGGGCTGAAGC
 ATGCAGAGTCGATCCTGTCTTCCACATCGACCTGGGGCCTTCCATGCTGGGAGATGTTCTCAGCATCAT
 GGACAAGGACCAAGTGGGCTCAGAGGAGGAGGAAGCTGGCGGGTACCGTGACAAGGAAGGCCCCAGC
 AGCATTGTCCAGGCGCCCTGTGCTGGAGGTGGTTCTCTCTAGGGAGACAGGAAAGCAAGGCCAGCT
 GGGACCAAGGCTCTATGCTGCCCCCAGCCTGTGGAGGATGACGATGGGCGGTGGTAGCCCCAGCCC
 CAGCTCAGCAGCAGTGTGGGACGCCACACCACTCGGGACAGCAGCTCCCTGTCCAGCTACACCTCAGGC
 GTCTTGAGGAGCGCAGCCAGCTTTCAGAGGCCAGACAGGCTGGCGGCTGTCCCCAAGGCAGCCAG
 ACAAGGAATTCTGCTTCATGGATGAGGAGGAGGAAGATGAGATCCGAGTTTGGGCTGGACCGAAAGTTG
 AAAGTCGCCTCCACATCTCTGGGCTGCATCTTTCCCTGCTGCTGCTGCCGCTGCCACCTTCTCTATGAC
 CTTTGACCTTACTCTGTAGGTGACGCTAAGAGCCTCGTTGGAGTAGACCTGGACCTCAGGGATTGGGGT
 GCCAGGGAAGTAAAGTAGCAGGGGCACTGGTGCCTGGTGGCCTGACTCTGACCTAACCTTCTTACCACA
 CCAGCCTGGGACGGATCCGAGCCCCAGCGGAAGCCATTCTCTCCAGGCCCTTTGCTCCAGCCTGGCC
 TCAGATGGATGCCAGATGTTAGTTTGTGCTGCCGAATGGCAGGGAAGCCAGGTGTGGGCTTCTCTC
 CAAGGTCATGGACACTTGGCTCCCTTCTGTTCACCTTGTGTCTGGAGCCTACCCAGGAGATATATGACAGC
 AGGAGGCAGGGGTGCTCACGTGTTTGGCTCCTCTCTTCCACCTCTGGCTCCTCACTGAAGCCTGGTA
 TTCTTTGGGGTTCAGCTGAAGCCAGGGGACGGCCTCACTATTACCTAAATGCAGCCTGTCCAGAGGC
 TGCATCCAGGACAGGATGGGGCAGAGAAGGAACGAACACCCCTGCTTCTAGCTTCTTGGGCTCTCAAG
 ACACTAGGAACAGGAAAGGGGCCAGCTCTGCCCATGGGTGTGTTTGTCTTGTACTATGTTTTAAACC
 TGAATAGAGCACTGCCAAATCCCCTGCCAGGAGACTAGTGACCGTCTTGGTGGCTGAGTGACTGTTATC
 TCACCTGAATCTGGGTACAGACCTGCCAGGTTGGACTGTGGCGGGCAGCCACCACAGTGTTTGTG
 CCGGAACCCCCACCTCCATAGCTGTTAGTGGCTGAAGGAGGGCTGTGTAGGAAAAGTTCTGGAATACGAT
 GCTTAAATGATACATTATTCGCCGGGTGTGAGCTACGCTTTGGCTAGTTAGTGGCCTCTCCTTGGGCTC
 TGGGCCAGGCCTCGCAAAACAAAAAAGAGCGGACTGTATTTGATTGGAATCCAGGGAATGAAAG
 TGGGTTTTTTGTTGTTGTTTGGCTTTTGGGATACGGTCTCACTCTAGCCCAAGCCGGCCTCAAGC
 TCATAGCGAGCCTCCCTTACCTAGGAGCTTCGGTTGCAAGTGTGACCACTGCTCCTGGCTGTTTTGTT
 CTTCTGAAAGCTGTTTTGCTCAGCTCCTGTAACCTACCCAGACCGCTAGTAGAGGCAGGGGCTGAGCC
 CTGGGGGTGGTAGCTATTACTTCTGTGCTGGGAGCAGGCTGACCTGCTCCTGGTCTAGCACAGCCA
 GTGGGAATCTGGGAGAGAGCAAGCTAGATTACAAGCAGAGTCTGGCCAGATGGTGGCCAGCCATGGGCT
 GCTGTGCTTCCAGAGGCCACCTCCTAGATTACAGCCCTGAAGTGCTCACTGGGCCCTGACAGGTGCTC
 CTACGCAGGTAGGCAGTGACTGAGCTACAGAGCTGTGCCTCTGGCCAGCAGTACACACACAACACACACA
 CACCCCTCTCTAAATCTACCTGGTTGGTTCTAAACTCTAACTTTATATTTTTTCCATGACATTGAAA
 AAGCAGTAAGAAAAACATTAATTTCTCTCAACAAAAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_020006

Insert Size:

1050 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC003857 , AAH03857
RefSeq Size:	2920 bp
RefSeq ORF:	1050 bp
Locus ID:	56699
UniProt ID:	Q9JM96
Cytogenetics:	11 E2
Gene Summary:	Probably involved in the organization of the actin cytoskeleton. May act downstream of CDC42 to induce actin filament assembly leading to cell shape changes. Induces pseudopodia formation, when overexpressed in fibroblasts.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.