

Product datasheet for **MC205344**

Cdc42ep1 (NM_027219) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc42ep1 (NM_027219) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc42ep1
Synonyms:	1810058K22Rik; AA980734; Borg5; CEP1; MSE55
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016250
 CTCGGGTAGCGCTGGGACGCGCCGCCGCGCCCGCCCTGGACCCCCGGGCTCGACGACACGAGGTC
 TCCACTCCAGGGTAGGGATCCTTTTAAGGCCCTTCTCCTGCCACCTTTGATCAGCCTCACTAGGACCAGA
 AGCAGAGAGAGAACCCACAGACTCCCTCAGCCTCAGCACTGGGGACAGCGCCTTAGTAAAGTCAAGGGTC
 GCCTTGTGCTCCGCCATTTTCATTGAGAGGAAGGGGCTGAGAAGGATCCCTGAGTCCAGCCTGCCATCTT
 CCCTGGCCCCAAGGTGGCATGGACTAACAGTTGTAAGCAATCAAAGCTGATGCCCGGTCCCAGGGGGGC
 ACAGGAGCCCCACCATGAGCCTGGGCAAGCTGTCTCCTGTGGGATGGGTGTCCAGTTCCCATGGAAGA
 GACGCCTGACAGCAGACATGATCAGCCCCCACTTGGGGACTTCCGCCACACCATGCACGTAGGCGTGG
 TGGGGATGTCTTCGGAGATACGTCTTCTCAGCAACCACGGAGGCGCTCTGGAACACCCACCGCTCA
 CCCCAGTTCCTGGCCAGGAAGCTCCAACAGGTTTCGACAGTTCGGGGTCCACCTCGAAGGATGGCTT
 CCCCAGGCTGCACCATCACCTGCTCCGCTCCCATCTCGCCATCATCAAGAACGCCATCTCCCTGCCTCA
 GCTCAACCAGGCCACCTATGACAGTCTGGTGTGGGCAAGCTTAGTTTTGACAGCACGCCGGCTAGTCC
 ACAGATGGCCACTCTGGTTACGGCCTGGAGTCTGGCTTCTGTACCATCTCACGCCTGCCACGCTGGAAA
 AGCACAGCAACCGTGACCGTGACCGTGACCCGGACCATTCTCAAGACCGAGAGCAAAGTTCTTTCCCTC
 TGAGCCTACCCCTAACCTGAGCTCCGACGCTCTGACTCTCTTGTCTTCCGTTTTGACCTTGACCTT
 GGCCCTCACTCCTCAGTGAGCTGCTAGGGTCAAGAGCCTTTCAGAAGCTCCAGCTGCTGAAACTCCAG
 TCCTACTGCCAACCCCTGCTCCTGCAGCAAACCTGCCCCTACTGCAAAACCCAGCCATGCGAT
 AACCACTTAGATGCTGTGACAAGCCTTCCAGCCTCTGCTGTGACAAGCCTTCCAGCCCCGCGCGGCA
 AGCTCCCCATCCCGTGGACATTTCCCAATGGGGTAACTTCTGTGTTGGGCCCTGCGGCTGAGGCAAAGC
 CCAGTCTGTGGGAGAGGGTCCCCAGGTACCCTCCAACATGACCTTTGACAGGCATGGAGCCAGCTGGGG
 GGCCAGCCGGGCCAGCTGGGGGGCCAGCCGGGCCAGCCCACTACACTGAGATGGATGCCCGCGGGAG
 CTGGCAGGGGTGTTACCCCAAGTTCATGGCTCCTGGGAGAGTCTGAATGAAGACTGGAGCACGCCTCCAG
 CCAGTCTCAGGGTCTCTGTGCCACCTCGGTGCAGGTCATGCCTTTGAGTTTGTGATGCTGAGGAAGA
 TGACGAGTCAAGGTGTAAGGGACTGGCCATGGGCTCCAGGCTCCTGTAGCCTCGGGGCTCACAGAACAG
 AGGGGCTGAGTTCATTTGCCTAACAGCTACAAGATGTGGTCAACGGGAGTTGCCCCAGATCCTTCTGGT
 CTATGCAAGGCAGGCATGGGTACCCGCTGACCTGACCCAGCTCCCTCCACTGTCCCTAGGCCACTAGCC
 CTTTAGTTATAACCTACGCCACCCCTGTGGTCTGACAGTATGGTCTTTGTGCCCCAGGACACTTCCCTA
 GTGGGGTGGGGTGGGGCAAGGACCACATAGGGCCATTGTCTGTGAGTGGGACTGGTGGCCCTACTCA
 TTGAGAGTACCCGAGAAGGCCTCCACTGTGTTCTCAGTAGCGCGTTCCAGGCTCCTCCTCAGTCCCA
 GAGAAAGGTCAAGCATGACACAGGAGCAAATCTTCTGTGTACCCAGACCTGCCTCCCATACCTGATTGT
 TAAAGTCTCTGTTAAGATCTGCCTGCCCAAGGAGGCAGGCCCGGCCCTGCTGACCTGTGCTTTCTCC
 TCCTGAGAGTTTGAAAGTTGAGGACCCCTTCTGGTGGCCCCCTTAGCTAGGAGAGAAGGGGGCCA
 GACGAGCTAATGAGTAACCAGCCTGGAATGTTCAACGATAAGAAGCCAGGTGGGACCCTTATCTGCAGT
 TCCTGGAACACCTGGCCCCAGGTGCCAGGAACAGTATCTGCCCATAAATCCCATGGGGCTGCTTGGCA
 GGTGCTCAGATCACCAGGAGGGAGACAGGTCCCATGCAGAGGGTGGCTCAGGAGCACCTCCCATCCTCT
 CTTCTCAACAGTACTATACCCATGCCTCAGTTTCTGCCCCCCCCCCCGTACCAAAGCCGGGGGTGG
 GGAGCATTAAATGTGTGGAATAAGTCAAGTCTTGTGTGGAATAATAATGTGGATTCTTTTATT
 TGACCTTGGGGAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_027219
- Insert Size:** 1230 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: [BC016250](#), [AAH16250](#)

RefSeq Size: 2548 bp

RefSeq ORF: 1230 bp

Locus ID: 104445

UniProt ID: [Q91W92](#)

Cytogenetics: 15 E1

Gene Summary: Probably involved in the organization of the actin cytoskeleton. Induced membrane extensions in fibroblasts (By similarity).[UniProtKB/Swiss-Prot Function]