

Product datasheet for **MC212094**

Cdc42ep2 (NM_026772) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdc42ep2 (NM_026772) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cdc42ep2
Synonyms: 1110008C05Rik; Borg1; Cep2; D19Bwg1013e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC212094 representing NM_026772
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACCAAGGTCCCCATCTATTTGAAACGTGGCAGCCGCAAAGGCAAGAAAGAGAAGCTTCGGGACC
TGCTGTCTCAGACATGATCAGCCACCCTTGGGGACTTCCGTCACTATTACATTGGCAGCGGTGG
CGGAGATGACATGTTTGGGGACATCTCCTTCTGCAGGGCAAGTCCATCTCCTCCAGGAACAGCGGTG
GAAGAGGCTGAGGAGGATGGCAGCTTTGACCTTCCCTTCCAGTTTACTCGCACTACAACCGTGTGTGGC
GAGAGCTCCCTGATGGGCTGTCACCTCTGCTCAAAAACGCCATCTCCCTCCCTGTAATTGGTGGCCCCCA
GGCCCTCACTCTGCCTACAGCCAGGCTCCACCTAAGCCTCCTCGCTTGCACCTTGAATCTCCACAGCCT
TCTCCACAGCCTTCCCCACAGGGGGCAGGAAATGTGGACGTCTGGAGGATTCCAGAGGCTGGCTCGCCCC
ACAATGGGATGAGCCCTGAGCCGGAGGCCGAGGAGCCCTTCTGTCCCATGCCAGCTCCCTGCTGTCCCT
GCATGTGGACCTGGGCCCTTCGATCCTGGATGATGTCCTCCAGATTATGGATCACGACCTAGGCCGCGTG
CAGATTCTACAT**A**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026772
Insert Size: 645 bp



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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:	<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:	<u>NM_026772.2</u> , <u>NP_081048.1</u>
RefSeq Size:	1491 bp
RefSeq ORF:	645 bp
Locus ID:	104252
UniProt ID:	<u>Q8JZX9</u>
Cytogenetics:	19 4.34 cM
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 in fibroblasts in a CDC42-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]