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# Product datasheet for MC206485

## Cdc42ep5 (BC006758) Mouse Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | Cdc42ep5 (BC006758) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Cdc42ep5 |
| **Synonyms:** | Borg3, CEP5 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | PCMV6-Kan/Neo (PCMV6KN) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Fully Sequenced ORF:** | >NCBI ORF sequence for BC006758, the custom clone sequence may differ by one or more nucleotides |

ATGCCGGTAATGAAGCAGCTGGGCCCTGCACAACCCAAGAAGCGGCTGGATCGCGGAGCACTCTCGATCT
CAGCACCCCTCGGAGACTTCAGGCACACATTGCACGTGGGACGCGGTGGCGACGCCTTCGGGGACACCTC
ATTCCTGAGTCGCCACGGGGGCGGTCCGCCTCCCGAGCCTGGAGCCCCACCGGTTGTGGCCCCACATTCT
GTCGCTCCACCTGCAGCCCCACAGCCCCCTGTGGCTGTGCCTTCACCTGCGGACCCGCTGCTGTCTTTCC
ACCTGGACCTGGGCCCCTCTATGCTGGACGCGGTGTTAGGCGTCATGGACGCGGAGCGCAGCGAGACAAC
AGCCACCAAGCCCGATGGGGATGCCCACCCTAGAGTGCAGCACCCCAAGACCCGCTGCTGCTCAAATGCT
GACCTCCAGCTGGACGACGTCATCGGTCTGTAG

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| **Restriction Sites:** | EcoRI-NotI |
| **ACCN:** | BC006758 |
| **Insert Size:** | 453 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). |

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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:** | BC006758, AAH06758 |
| **RefSeq Size:** | 727 bp |
| **RefSeq ORF:** | 453 bp |
| **Locus ID:** | 58804 |
| **Cytogenetics:** | 7 A1 |
| **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. Inhibits MAPK8 independently of CDC42 binding. Controls septin organization and this effect is negatively regulated by CDC42.[UniProtKB/Swiss-Prot Function] |