

## Product datasheet for RN203980

### Cdc42ep1 (NM\_001079700) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc42ep1 (NM_001079700) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdc42ep1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203980 representing NM_001079700 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCCGCCCCCAAGGGGGCACAGGAGCCCCCAGCATGAGCCTGGGTAAGCTGTCTCCTGTGGGCTGGG  
TGCCAGTTCTCATGGAAAGAGGCGCTGACAGCAGACATGATCAGTCCCCCGCTCGGGGACTTCCGCCA  
CACCATGCACGTGGCCGTGGCGGGACGTCTTCGGTGATACCTCCTCCTCAGCAACCAGGAGGCCGC  
TCTGGAAACACCCACCGCTCGCCCCGAAGTTTTCTGGCCAGGAAGCTCCAGCAGGTACGCAGAGTCGGCG  
TGCCCCCTCGAAGGATGGCTTCCCCGGTGCAACGTACCCGCCCCGCCTCCCATCTCTCCATCATCAA  
GAATGCCATCTCCTGCCAGCTCAACCAGGCCACCTATGACAGCCTGGTGGTGGAGCAAGCTGAGCTTT  
GATAGCACTCCGGTAGCTCCACGGATGGCCGCTCCGGTACGGCCTGGAGTCTGGGTTCTGCACCATCT  
CACGCCTCCACGAGTGGAAAAACACAGCAGCCGTGACCGTGACCATGACCGTGACCCGGACCATCTCA  
AGACCGAGAGCAAAGTTCTTCCCCCTGAGCCTAACCCCTAACCCCTGAGCTTCGACGCTCTGACTCTCTC  
TTGTCCTCCGTTTTGACCTTGACCTGGGCCCTCACTCCTCAGTGAGCTGCTAGGAGTCATGAGCCTTT  
CAGAAGCCCTGCTGCCAACCCCTGCTCCTGCTGCCAACCCCTGCCCCCTACTGCAAACCCCGAGCCGA  
TGCAAGTAACTCTAGACACTGTGACAAGCCTTCCAGCCCCACGGCAAGCTCCCCATCCAGTGGACGT  
TTCCCCAATGGGGTAACTGCCGTGTGGCCCCGTGGCTGAGGTAAGGCCAGTCCTGTGGGAGAGGGTC  
CCCAGGTACCCTCCAAAATGGCCTTTGACAGGCGTGGAGCCAGCTGGGGGGCCATCCGGGCCAGCCGTCA  
CTACACGGAGATGGATGCGCGGGGGAGCTGGCAGGGGTCTACCCCAAGTCCATGGCTCCTGGGAGAGT  
CTGAATGAAGAATGGAGTGACCTCCGGCCAGCAGCAGGGCTCCTGTGCCAGCAGGTCAGGCCAATG  
CCTTTGAGTTTGTGACGCTGATGAGGATGACGAGGTCAAGGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001079700



<b>Insert Size:</b>	1167 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001079700.1</a></u> , <u><a href="#">NP_001073168.1</a></u>
<b>RefSeq Size:</b>	2263 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	315121
<b>UniProt ID:</b>	<u><a href="#">A1A5P0</a></u>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	Probably involved in the organization of the actin cytoskeleton. Induced membrane extensions in fibroblasts (By similarity).[UniProtKB/Swiss-Prot Function]