

## Product datasheet for **RN202080**

### Cdc42ep2 (NM\_001009689) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc42ep2 (NM_001009689) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdc42ep2
Synonyms:	MGC94615
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202080 representing NM_001009689 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCACCAAGGTCCCCATCTATTTGAAACGTGGCAGCCGCAAAGGCAAGAAAGAGAAGCTTCGGGACC  
TGCTCTCCTCAGACATGATCAGCCCGCCACTTGGGGACTTCCGTCACTATTACATTGGCAGTGGTGG  
TGGAGATGACATGTTTGGGGACATCTCCTTCTTCAGGGCAAGTCCATCTCCTCCAGGAACAGCAGTG  
GAAGAGGCTGAGGAGGATGGCAGCTTCGACCTTCCCTTCCAGTTTACCCGCACTACCACGGTGTGTGGGC  
GAGAGCTCCCTGGCGGGCTGTCACCTTTGCTCAAAAATGCCATCTCCCTTCCAGTAATTGGTGGACCTCA  
GGCCCTCACTCTGCCACAACCCAGGCTCCACCTAAGCCTCCGCGCTGCACCTTGAATCACCACAGCCT  
TCTCAAAGTCTCCCCACAGGAGGCAGGCAATGTGGACATCTGGAGGGTTCCAGAGGCTGGCTTGGCCC  
ACAATGGGATGAGCCCTGAGCCAGAGGCCGAGGAGCCCTTCTGTCCCATGCCAGCTCTCTGCTGTCCCT  
GCATGTGGACCTGGGCTTCTATCCTGGATGACGTCCTCCAGATTATGGATCAGGACCTAGGCCGTGTA  
CAGATCCCACAT**A**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001009689
Insert Size:	645 bp



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<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_001009689.1</a></u> , <u><a href="#">NP_001009689.1</a></u>
<b>RefSeq Size:</b>	1434 bp
<b>RefSeq ORF:</b>	645 bp
<b>Locus ID:</b>	309175
<b>UniProt ID:</b>	<u><a href="#">Q5PQP4</a></u>
<b>Cytogenetics:</b>	1q43
<b>Gene Summary:</b>	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]