

Product datasheet for **MC200403**

Ccpg1 (BC006717) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccpg1 (BC006717) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccpg1
Synonyms:	1700030B06Rik; 1810073J13Rik; 9430028F23Rik; AI426686; AI875170; CPR8; D9Erttd392e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006717
 GAGAAGGAAGAACAAGCCCTGTCTTCATTACAGGAAGAGCTACGGCAACTAAGGGAGCAGATTAGATTGT
 TGGAGGATAAAGGCACAAGCACGCGAGTTAGTTAGGGAGAACCAGGTCCTTAAGCAGTACTTAGAAGTGGA
 AAAGCAGAAAACAGATAGCTTCCCTTAGGGAAAGGGAGATGCTCTTGGAGGAGGCAAGGATGCTGAAAAGG
 GACCTGGAGAGGGAACAGCTCACAGCCATGGCTCTGCGGGCAGAACTTGAAGCAGTTTCCCTGGCCAGG
 CACAGAGCCGTGCGGAGTCTCCTAGTGTGCAGACTGAAGAGAAGGAAGTGGGGCTGTTACAGCAGAGGCT
 GGCTGAGCTGGAGCAGAAGCTCATCTTTGAGCAGCAGCGCTCGGATTTGTGGGAGAGACTGTACGTTGAG
 GCAAAGGATCAACATGGAAGCAGGAGACAGACGGGAGGAAGAGAGGAAGCAGAGGAAGCCACAGGGCGA
 AGAGCAAGTGAAGGAGACATTTCTGGGACAGTTAAGGAAACATTTGATGCTATGAAGAATTTACCAA
 GGAGTTTGTGAGACATCATAAAGAAAAAATCAAGCAGGCGAAAGAAGCTGTGAAGGAGAATCTGAAAAA
 TTCTCAGATTCAGTCAAATCCACTTTTCGCCATTTCAAAGATACTACCAAGAATATCTTTGATGAAAAGG
 GCAGCAAGAGATTCAGGGCTCCAAAAGAAGCGGCAACTGAAAAGACAAGAACAGCTTATAGTTATTCCTC
 ATACTCACAGCAGGAGGCCAAACCAAAACCAGAATTGCAGGCGCCCTTCTGCACAGAGGGATGGAGGG
 AGAGAAAAGCCCAGTCACTCTGAAGAAATTAGAAAGAATGCAAATTCATATACATACAAGGCCAAGTCTG
 ACTGCAGAGGCACCCATTCACCAGAAGGGTTTGTTCAGGTATGTTTGAATGTGCTGGACAGGAAGCCAT
 TAGCCCTGTTAATAAGGCGAGTCTCTTAGGATGAATGACTTCAAACAGCTGATTCACTGGTACTTACTC
 AATGAACTGGAGACTTTTCAACCTGGAAGAAGCTGGATCAGTTTATCAGTCCGTTTTTCCGAATGGTG
 TCTTTAGACATGACCAGCAGCTCTTCGCCGACTTTGTTGATGATGTGAAAGGTTACCTTAAGAGCATAAA
 GGAGTATCGAGTAGAGGATGGCAATCTGGAGAAGTTGGACGGATGATATATAGACACTTTGGGCATGTT
 TTTGCCCTGCCATTCGGACCCAGGTCGGTTTACATAAAACCATGTTACTATAATAGCTTCTAAACAGTGC
 ATACCATTTTATTTATCTTTAACACTTTGAGCTTTTGGAAATTATATTATAAATTATAATTATTGCAA
 ACTGAAAAAAGTCCATGTCAAACACTTAGACTTGAACAAATGATTGAATTTCTACTTTAAAAATTTAAA
 GGATGTGTATGTATGTATGTATGTATGTATGTATGTATGTATGTATGTATGTATGTATGTATGTATGTAT
 AATCACAATTTAATTGAGCCAATCTAGCTTTTTTCAGTATAGTTTATATAATTAAGTGAATTTATTTCCC
 TTTAATCTTTAAGGAAAGCTAGAAACAAAGACTTTAGTGTGAAGCCCGGTCATGTGGAGCTGCCCA
 GCTATAATCACTGTCAGGTTTATTGAGTTTAGGAGTACTGGTTACAGGGTAAAAGTGAAGGGTGTCTG
 GACGCTCAGGAGCCAAAAATCCATAATGTTCTTCAAGACTGTCTGTTGCTTTCAGCTTTTTATTCTG
 TAACTGTAATGTCTGTTTACTTTTGGAGTCAAGTCCATCTTTATGAATAAATGCAGTGTGCCTATAA AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC006717

Insert Size: 1125 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: [BC006717](#), [AAH06717](#)

RefSeq Size: 1906 bp

RefSeq ORF: 1125 bp

Locus ID: 72278

Cytogenetics: 9 40.08 cM

Gene Summary: Acts as an assembly platform for Rho protein signaling complexes. Limits guanine nucleotide exchange activity of MCF2L toward RHOA, which results in an inhibition of both its transcriptional activation ability and its transforming activity. Does not inhibit activity of MCF2L toward CDC42, or activity of MCF2 toward either RHOA or CDC42. May be involved in cell cycle regulation.[UniProtKB/Swiss-Prot Function]