

## Product datasheet for **MR205801**

### Ccpg1 (BC006717) Mouse Tagged ORF Clone

#### Product data:

|                          |   |
|--------------------------|---|
| Product Type:            | Expression Plasmids   |
| Product Name:            | Ccpg1 (BC006717) Mouse Tagged ORF Clone   |
| Tag:                     | Myc-DDK   |
| Symbol:                  | Ccpg1   |
| Synonyms:                | 1700030B06Rik; 1810073J13Rik; 9430028F23Rik; AI426686; AI875170; CPR8; D9ErtD392e |
| Vector:                  | pCMV6-Entry (PS100001)  |
| E. coli Selection:       | Kanamycin (25 ug/mL)  |
| Cell Selection:          | Neomycin  |
| ORF Nucleotide Sequence: | >MR205801 representing BC006717<br>Red=Cloning site Blue=ORF Green=Tags(s)        |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGAAAAGGGACCTGGAGAGGGAACAGCTCACAGCCATGGCTCTGCGGGCAGAAGTTGAGCAGTTCA  
TCCCTGGCCAGGCACAGAGCCGTGCGGAGTCTCCTAGTGTGCAGACTGAAGAGAAGGAAGTGGGGCTGTT  
ACAGCAGAGGCTGGCTGAGCTGGAGCAGAAGCTCATCTTTGAGCAGCAGCGCTCGGATTTGTGGGAGAGA  
CTGTACGTTGAGCAAAGGATCAACATGGAAAGCAGGAGACAGACGGGAGGAAGAGAGGAAGCAGAGGAA  
GCCACAGGGCGAAGAGCAAGTCGAAGGAGACATTTCTGGGGACAGTTAAGGAAACATTTGATGCTATGAA  
GAATTCTACCAAGGAGTTTGTGAGACATCATAAAGAAAAAATCAAGCAGGCGAAAGAAGCTGTGAAGGAG  
AATCTGAAAAAATCTCAGATTCAGTCAAATCCACTTTTCGCCATTTCAAAGATACTACCAAGAATATCT  
TTGATGAAAAGGGCAGCAAGAGATTCAGGGCTCCAAAAGAAGCGGCAACTGAAAAGACAAGAACAGCTTA  
TAGTTATTCCTCATACTCACAGCAGGAGGCACCAAAACCAAGCAATTCAGGCGCCCTTCTGCACAG  
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AGGCCAAGTCTGACTGCAGAGGCACCCATTCCACCAGAAGGTTTGTTCAGGTATGTTTGAATGTGCTGG  
ACAGGAAGCCATTAGCCCTGTTAATAAGGCGAGTCTGTTAGGATGAATGACTTCAAACAGCTGATTCAC  
TGGTACTTACTCAATGAAGTGGAGACTTTTACCAGTGGAAAGAACTGGATCAGTTTATCAGTCCGTTTT  
TTCCGAATGGTGTCTTTAGACATGACCAGCAGCTCTTCGCCGACTTTGTTGATGATGTGAAAGGTTACCT  
TAAGAGCATAAAGGAGTATCGAGTAGAGGATGGCAATCTGGAGAAGTTGGACGGATGTATATATAGACAC  
TTTGGGCATGTTTTGCCTGCCATTCCGACCCAGGTCGGTTTACATAAAACCATGTTACTATAATAGCT  
TC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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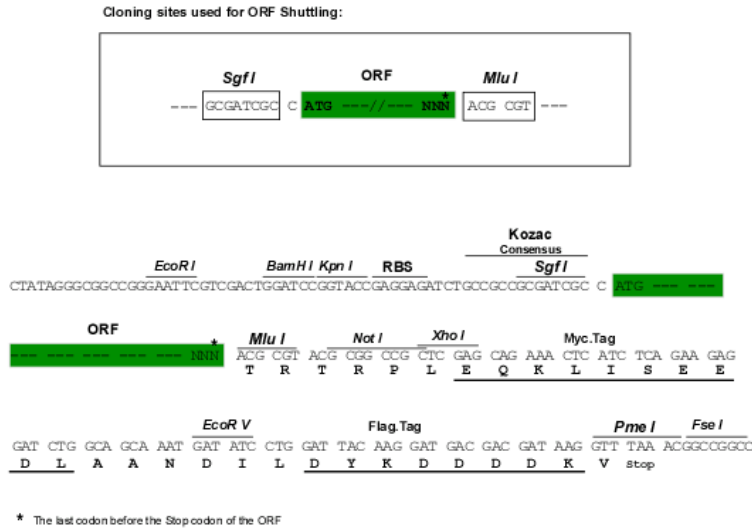
**Protein Sequence:** >MR205801 representing BC006717  
Red=Cloning site Green=Tags(s)

MLKRDLEREQLTAMALRAELEQFIPGQAQSRAESPSVQTEEKEVGLLQQRRLAELEQKLIFEQQRSDLWER  
 LYVEAKDQHGKQETDGRKRGRSGSHRAKSKSKETFLGTVKETFDAMKNSTKEFVRHHKEKIKQAKEAVKE  
 NLKKFSDSVKSTFRHFKDTTKNIFDEKSGKRFRAPKEAATEKTRTAYSYSYSQQEAPNQNCRRPSAQ  
 RDGGREKPSHSEEIRKNANSYTYKAKSDCRGTHSTRRVCSGMFECAGQEAI SPV NKASPV RMND FKL I H  
 WYLLNELETFHHWKELDQFISPF PNGVFRHDQQLFADFVDDVKGYLKS IKEYRVEDGNLEKLDGCIYRH  
 FGHVFALPFGPRSVYIKPCYYNSF

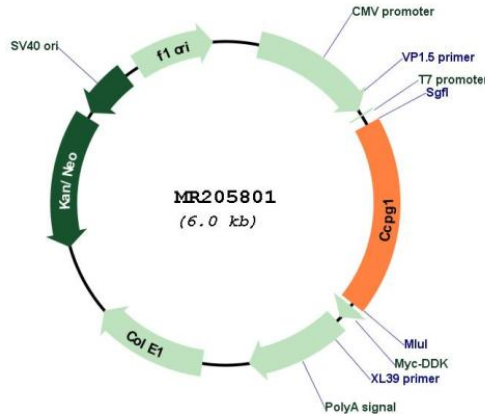
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC006717

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1122 bp   |
| <b>OTI Disclaimer:</b>        | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>                | <a href="#">BC006717.1</a>  |
| <b>RefSeq Size:</b>           | 1906 bp   |
| <b>RefSeq ORF:</b>            | 1124 bp   |
| <b>Locus ID:</b>              | 72278   |
| <b>Cytogenetics:</b>          | 9 40.08 cM  |
| <b>MW:</b>                    | 69.9 kDa  |
| <b>Gene Summary:</b>          | 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]   |