

## Product datasheet for **MG205801**

### Ccpg1 (BC006717) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccpg1 (BC006717) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccpg1
Synonyms:	1700030B06Rik; 1810073J13Rik; 9430028F23Rik; AI426686; AI875170; CPR8; D9ErtD392e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205801 representing BC006717 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAAAAGGGACCTGGAGAGGGAACAGCTCACAGCCATGGCTCTGCGGGCAGAACTTGAGCAGTTCA  
TCCCTGGCCAGGCACAGAGCCGTGCGGAGTCTCCTAGTGTGCAGACTGAAGAGAAGGAAGTGGGGCTGTT  
ACAGCAGAGGCTGGCTGAGCTGGAGCAGAAGCTCATCTTTGAGCAGCAGCGCTCGGATTTGTGGGAGAGA  
CTGTACGTTGAGCAAAGGATCAACATGGAAGCAGGAGACAGACGGGAGGAAGAGAGGAAGCAGAGGAA  
GCCACAGGGCGAAGAGCAAGTCAAGGAGACATTTCTGGGACAGTTAAGGAAACATTTGATGCTATGAA  
GAATTCTACCAAGGAGTTTGTGAGACATCATAAAGAAAAAATCAAGCAGGCGAAAAGAGCTGGAAGGAG  
AATCTGAAAAAATTTCTCAGATTCAGTCAAATCCACTTTTTCGCCATTTCAAAGATACTACCAAGAATATCT  
TTGATGAAAAGGGCAGCAAGAGATTCAGGGCTCCAAAAGAAGCGCAACTGAAAAGACAAGAACAGCTTA  
TAGTTATTCCTCATACTCACAGCAGGAGGCCAAACAAAACAGAAATTGCAGGCGCCCTTCTGCACAG  
AGGGATGGAGGGAGAGAAAAGCCAGTCACTCTGAAGAAATTAGAAAGATGCAAAATTCATATACATACA  
AGGCCAAGTCTGACTGCAGAGGCCACCCATTCCACCAGAAGGGTTTGTTCAGGTATGTTTGAATGTGCTGG  
ACAGGAAGCCATTAGCCCTGTTAATAAGGCGAGTCTGTTAGGATGAATGACTTCAAACAGCTGATTCAC  
TGGTACTTACTCAATGAAGTGGAGACTTTTACCAGTGGAAAGAACTGGATCAGTTTATCAGTCCGTTTT  
TTCCGAATGGTGTCTTTAGACATGACCAGCAGCTTTCGCCGACTTTGTTGATGATGTGAAAGGTTACCT  
TAAGAGCATAAAGGAGTATCGAGTAGAGGATGGCAATCTGGAGAAGTTGGACGGATGTATATATAGACAC  
TTTGGGATGTTTTTGCCTGCCATTCCGACCCAGGTCGGTTTACATAAAACCATGTTACTATAATAGCT  
TC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205801 representing BC006717  
 Red=Cloning site Green=Tags(s)

MLKRDLEREQLTAMALRAELEQFIPGQAQSRAESPSVQTEEKEVGLLQQRLAELEQKLIFEQQRSDLWER  
 LYVEAKDQHGKQETDGRKRGRSGSHRAKSKSKETFLGTVKETFDAMKNSTKEFVRHHKEKIKQAKEAVKE  
 NLKKFSDSVKSTFRHFKDTTKNIFDEKSGKRFRAPKEAATEKTRTAYSYSYSQQAEPNQNCRRPSAQ  
 RDGGREKPSHSEEIRKNANSYTYKAKSDCRGTHSTRRVCSGMFECAGQEAI SPVNKASPVRMNDFKQLIH  
 WYLLNELETFFHHWKELDQFISPFPPNGVFRHDQQLFADFVDDVKGYLKSKEYRVEDGNLEKLDGCIYRH  
 FGHVFALPFGPRSVYIKPCYYNSF

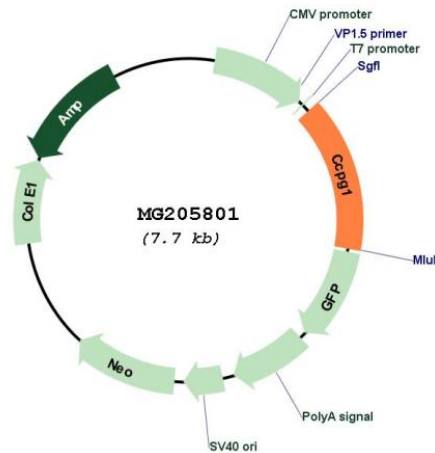
TRTRPLE - GFP Tag - V

**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>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]