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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205801 representing BC006717
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAAAAGGGACCTGGAGAGGGAACAGCTCACAGCCATGGCTCTGCGGGCAGAACTTGAGCAGTTCA
TCCCTGGCCAGGCACAGAGCCGTGCGGAGTCTCCTAGTGTGCAGACTGAAGAGAAGGAAGTGGGGCTGTT
ACAGCAGAGGCTGGCTGAGCTGGAGCAGAAGCTCATCTTTGAGCAGCAGCGCTCGGATTTGTGGGAGAGA
CTGTACGTTGAGGCAAAGGATCAACATGGAAAGCAGGAGACAGACGGGAGGAAGAGAGGAAGCAGAGGAA
GCCACAGGGCGAAGAGCAAGTCGAAGGAGACATTTCTGGGGACAGTTAAGGAAACATTTGATGCTATGAA
GAATTCTACCAAGGAGTTTGTGAGACATCATAAAGAAAAAATCAAGCAGGCGAAAGAAGCTGTGAAGGAG
AATCTGAAAAAATTCTCAGATTCAGTCAAATCCACTTTTCGCCATTTCAAAGATACTACCAAGAATATCT
TTGATGAAAAGGGCAGCAAGAGATTCAGGGCTCCAAAAGAAGCGGCAACTGAAAAGACAAGAACAGCTTA
TAGTTATTCCTCATACTCACAGCAGGAGGCACCAAACCAAAACCAGAATTGCAGGCGCCCTTCTGCACAG
AGGGATGGAGGGAGAGAAAAGCCCAGTCACTCTGAAGAAATTAGAAAGAATGCAAATTCATATACATACA
AGGCCAAGTCTGACTGCAGAGGCACCCATTCCACCAGAAGGGTTTGTTCAGGTATGTTTGAATGTGCTGG
ACAGGAAGCCATTAGCCCTGTTAATAAGGCGAGTCCTGTTAGGATGAATGACTTCAAACAGCTGATTCAC
TGGTACTTACTCAATGAACTGGAGACTTTTCACCACTGGAAAGAACTGGATCAGTTTATCAGTCCGTTTT
TTCCGAATGGTGTCTTTAGACATGACCAGCAGCTCTTCGCCGACTTTGTTGATGATGTGAAAGGTTACCT
TAAGAGCATAAAGGAGTATCGAGTAGAGGATGGCAATCTGGAGAAGTTGGACGGATGTATATATAGACAC
TTTGGGCATGTTTTTGCCCTGCCATTCGGACCCAGGTCGGTTTACATAAAACCATGTTACTATAATAGCT
TC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

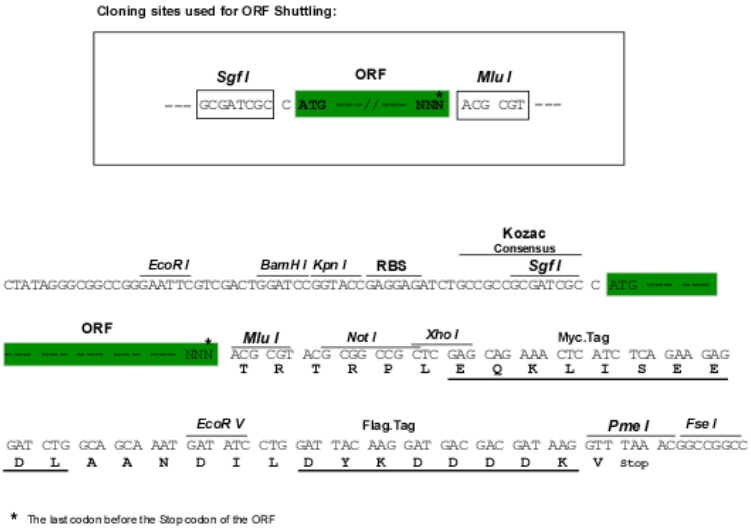
>MR205801 representing BC006717
Red=Cloning site Green=Tags(s)

MLKRDLEREQLTAMALRAELEQFIPGQAQSRAESPSVQTEEKEVGLLQQRLAELEQKLIFEQQRSDLWER
LYVEAKDQHGKQETDGRKRGSRGSHRAKSKSKETFLGTVKETFDAMKNSTKEFVRHHKEKIKQAKEAVKE
NLKKFSDSVKSTFRHFKDTTKNIFDEKGSKRFRAPKEAATEKTRTAYSYSSYSQQEAPNQNQNCRRPSAQ
RDGGREKPSHSEEIRKNANSYTYKAKSDCRGTHSTRRVCSGMFECAGQEAISPVNKASPVRMNDFKQLIH
WYLLNELETFHHWKELDQFISPFFPNGVFRHDQQLFADFVDDVKGYLKSIKEYRVEDGNLEKLDGCIYRH
FGHVFALPFGPRSVYIKPCYYNSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC006717

ORF Size: 1122 bp

OTI Disclaimer: 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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC006717.1

RefSeq Size: 1906 bp

RefSeq ORF: 1124 bp

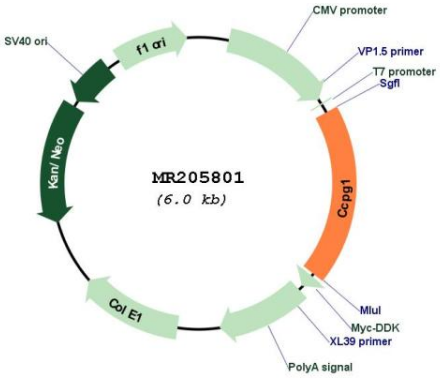
Locus ID: 72278

Cytogenetics: 9 40.08 cM

MW: 69.9 kDa

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]

Product images:



Circular map for MR205801