

Product datasheet for **MC228919**

Ccpg1 (NM_001286545) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccpg1 (NM_001286545) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccpg1
Synonyms:	1700030B06Rik; 1810073J13Rik; 9430028F23Rik; AI426686; AI875170; CPR8; D9Erttd392e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228919 representing NM_001286545
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGAAAGTCCAGCGACGCGACTCATCTTGTGGCTGGACTGTCATCAATCATGAGGGTTCTGATA
 TAGAGATCGTGAATTCGCCACAGCCAGTGACAACCTGTGGACTGACTCTAGAATGTTCCCTTAGTAGAACA
 AGAGGAGCTGCCGTTCTTTATGTAGGGCATGGAGGTGAAGAAAGCAGCGCAAACAACACATCGTAGTG
 GGAGAAACCATGTTGTCATCAATGAGAGAAACCAAGTCAGCAGCTGAGGTGGAGGAAGCACCTTCCCTG
 AAGACAATGTCTATTTCCGAACTACTAGTGACGATTCCGGATATTGTTACACTTGAACCACCTAAGCTGGA
 AGAAATGGGGAACAGGAAGTTACAATTCAGAAGCGCCAGCTCAGATGACCTAACATGGGCTCTTCC
 TCCAGCAGCCAGTACGCCTTCTGCCAGCCAGAACCCGCTTTTTCATCTCAGCCTAGTGATGAGGAATCCA
 GTAGCGATGACACCAGCCAGAGCCAGCCCTGCTCCTAGACGGCGCCGAACAGGAAGAAGACCGTTTC
 TATCTCAGAGTCTGAGGAGCCTCCACTCGCTGAGCCGGAAGATGAGCCCTCAAGGAGCCAAAGTAAACGC
 CACTTTAGTCGTGGTCTCAACAAGTGTGTTATCCTGGCCTTGGTGATTGCTGTCAGCATGGGATTTGGAC
 ATTTCTATGGCACAATCCAGATTCAGAAGCAGTTAGTCAGAAAGACCCACGAAGATGAGCTGGATGGTGT
 GAAGGGTTATCTCTCACAGCGCAAGCAGGAACAAGAGTCTTTTCTAGATTTCAAGTCGCTGAAAGAAAAC
 CTTGAGAGGTGTTGGACCGTTACTGAATCAGAGAAGATTACCTTTGAAACTCAGAAGAAGAACCTTGCTG
 CAGAAAACCAAGTATTTACGAATATCTCTGGAGAAGGAAGAACAAGCCCTGTCTTTCATTACAGGAAGAGCT
 ACGGCAACTAAGGGAGCAGATTAGATTGTTGGAGGATAAAGGCACAAGCAGCAGTTAGTTAGGGAGAAC
 CAGGTCCTTAAGCAGTACTTAGAAGTGGAAAAGCAGAAAACAGATAGCTTCTTAGGGAAGGGAGATGC
 TCTTGGAGGAGCAAGGATGCTGAAAAGGGACCTGGAGAGGGAACAGCTCACAGCCATGGCTCTGCGGGC
 AGAACTTGAGCAGTTTATCCCTGGCCAGGCACAGAGCCGTGCGGAGTCTCCTAGTGTGCAGACTGAAGAG
 AAGGAAGTGGGGCTGTTACAGCAGAGGCTGGCTGAGCTGGAGCAGAAGCTCATCTTTGAGCAGCAGCGCT
 CGGATTTGTGGGAGAGACTGTACGTTGAGGCAAAGGATCAACATGGAAAGCAGGAGACAGACGGGAGGAA
 GAGAGGAAGCAGAGGAAGCCACAGGGCAAGAGCAAGTCGAAGGAGACATTTCTGGGGACAGTTAAGGAA
 ACATTTGATGCTATGAAGAATCTACCAAGGAGTTTGTGAGACATCAAAAGAAAAAATCAAGCAGGCGA
 AAGAAGCTGTGAAGGAGAATCTGAAAAAATTCAGATTAGTCAAACTCACTTTTCGCCATTTCAAAGA
 TACTACCAAGAATATCTTTGATGAAAAGGGCAGCAAGAGATTAGGGCTCCAAAAGAAGCGGCAACTGAA
 AAGACAAGAACAGCTTATAGTTATTCCTCATACTCACAGCAGGAGGCACCAAACAAAACAGAAATTGCA
 GCGCCCTTCTGCACAGAGGGATGGAGGGAGAGAAAAGCCAGTCACTCTGAAGAAATTAGAAAGATGC
 AAATTCATATACATAACAAGGCCAAGTCTGACTGCAGAGGCACCCATTCCACCAGAAGGGTTTGTTAGGT
 ATGTTTGAATGTGCTGGACAGGAAGCCATTAGCCCTGTTAATAAGGCGAGTCTGTTAGGATGAATGACT
 TCAAACAGCTGATCACTGGTACTTACTCAATGAACTGGAGACTTTTCACCACTGGAAAGAACTGGATCA
 GTTTATCAGTCCGTTTTTTCCGAATGGTGTCTTTAGACATGACCAGCAGCTCTTCGCCGACTTTGTTGAT
 GATGTGAAAGGTTACCTTAAGAGCATAAAGGAGTATCGAGTAGAGGATGGCAATCTGGAGAAGTTGGACG
 GATGTATATATAGACACTTTGGGCATGTTTTGCCCTGCCATTCGGACCCAGTCGACCTGATAAAAAAGCA
 ACGTATGGTAACTATTGAAAACGCCAGGCACGAAAACAAGAGCAGAAGCACCTTCATCCACAGCCTTAT
 GAAAGGGAAGAGCCGTTGGTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286545
Insert Size: 2337 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001286545.1</u> , <u>NP_001273474.1</u>
RefSeq Size:	2962 bp
RefSeq ORF:	2337 bp
Locus ID:	72278
UniProt ID:	<u>Q640L3</u>
Cytogenetics:	9 40.08 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an alternate exon in the 5' coding region and uses an alternate 3' structure, compared to variant 6. It encodes isoform 4, which has a distinct C-terminus and is shorter, compared to isoform 6.</p>