

Product datasheet for **SC318241**

CCPG1 (NM_004748) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCPG1 (NM_004748) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCPG1
Synonyms:	CPR8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC318241 representing NM_004748.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCTGAAAATTCAGTGACAGTGATTCATCTTGTGGTTGACTGTCATCAGTCATGAGGGTCAGAT
ATAGAAATGTTGAATTCGTGACCCCACTGACAGCTGTGAGCCGCCCCAGAATGTTTCATCTTTAGAG
CAAGAGGAGCTTCAAGCATTGCAGATAGAGCAAGGAGAAAGCAGCCAAAATGGCAGATGCTTATGGAA
GAAACTGCTTATCCAGCTTTGGAGGAAACAGCTCAACAATTGAGGCAGAGGAACAAAAGATACCCGAA
GACAGTATCTATATTGGAAGTCCAGTGATGATTCTGATATTGTTACCCTTGAGCCACCTAAGTTAGAA
GAAATTGGAAATCAAGAAGTTGTCATTGTTGAAGAAGCAGAGTTTCAAGACTTTAACATGGGCTCT
TCCTCTAGCAGCCAGTATACTTTCTGTCAGCCAGAACTGTATTTTCATCTCAGCCTAGTGACGATGAA
TCAAGTAGTGATGAAACAGTAATCAGCCAGTCTGCCTTTAGACGACGCCGTGCTAGGAAGAAGACC
GTTTCTGCTTCAGAATCTGAAGACCGGCTAGTTGCTGAACAAGAACTGAACCTTCTAAGGAGTTGAGT
AAACGTCAGTTTCAAGTGTCTCAATAAGTGTGTTTACTTGTCTTGGTATTGCAATCAGCATGGGA
TTTGGCCATTTCTATGGCACAATTCAGATTGAGAAGCGTCAACAGTTAGTCAGAAAGATACATGAAGAT
GAATTGAATGATATGAAGGATTATCTTTCCAGTGTCAACAGGAACAAGAATCTTTTATAGATTATAAG
TCATTGAAAGAAAATCTTGCAAGGTGTTGGACCTTACTGAAGCAGAGAAGATGTCCTTTGAAACTCAG
AAAACGAACCTTGCTACAGAAAATCAGTATTTAAGAGTATCCTTGGAAGAAGGAAAAAGCCTTATCC
TCATTACAGGAAGAGTTAAACAACTAAGAGAACAGATTAGAATATTGGAAGATAAAGGGACAAGTACT
GAATTAGTTAAAGAAAATCAGAACTTAAGCAGCATTGGAAGAGGAAAAGCAGAAAAACACAGCTTT
CTTAGTCAAAGGGAGACTCTGTTGACAGAAGCAAGATGCTAAAGAGAGAACTGGAGAGAGAACGACTA
GTAACACGGCTTTAAGGGGGAACTCCAGCAGTTAAGTGGTAGTCAGTTACATGGCAAGTCAGATTCT
CCCAATGTATATACTGAAAAAAGGAAATAGCAATCTTACGGGAAAGACTCACTGAGCTGGAACGGAAG
CTAACCTTCGAACAGCAGCGTTCTGATTGTGGGAAAGATTGTATGTTGAGGCAAAAGATCAAAATGGA
AAACAAGGAACAGATGGAAGAAAGAAAGGGGAGAGGAAGCCACAGGGCTAAAAATAAGTCAAAGGAA
ACATTTTTGGGTTCAAGTAAAGAAACATTTGATGCCATGAAGAATTCTACCAAGGAGTTTGAAGGCAT
CATAAAGAGAAAATTAAGCAGGCTAAAGAAGCTGTGAAGGAAAATCTGAAAAATTTCTCAGATTCAAGT
AAATCCACTTTCAGACACTTTAAAGATACCACCAAGAATATCTTTGATGAAAAGGTAATAAAAGATTT
GGTGCTACAAAAGAGCAGCTGAAAAACCAAGAAGCTTTTGTAGTACTTTTACATCCACAGTATAAG
GCACCTACAGAAAACCATCATAATAGAGGCCCTACTATGCAAAATGATGGAAGGAAAGAAAGCCAGTT
CACTTTAAAGAATTCAGAAAAAATACAAATTCAAAGAAATGCAGTCCTGGGCATGATTGTAGAGAAAAT
TCTCATTTCTTCAGAAAGGCTTGTCTGGTGTATTTGATTGTGCTCAACAAGAGTCCATGAGCCTTTTT
AACACAGTGGTGAATCCTATAAGGATGGATGAATTTAGACAGATAATTCAAAGGTACATGTTAAAGAA
CTGGATACTTTTTGTCACTGGAACGAACCTTGATCAGTTCATCAATAAGTTTTTCTAAACGGTGTCTTT
ATACATGATCAGAAGCTTCTCACTGACTTTGTTAATGATGTTAAAGATTATCTAGAAACATGAAGGAA
TATGAAGTAGATAATGATGGAGTATTTGAGAAGTTGGATGAATATATATAGACACTTCTTTGGTCAC
ACTTTTTCCCTCCATATGGACCCAGGTCGGTTTACATAAAACCGTGTCTTACAGTAGTTTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI
ACCN: NM_004748
Insert Size: 2274 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_004748.4
RefSeq Size:	7089 bp
RefSeq ORF:	2274 bp
Locus ID:	9236
UniProt ID:	Q9ULG6
Cytogenetics:	15q21.3
Domains:	LEA
Protein Families:	Transmembrane
MW:	87.3 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 (By similarity). May be involved in cell cycle regulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1. Both variants 1 and 2 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.