

## Product datasheet for **MC206317**

### **Pcgf6 (BC016195) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcgf6 (BC016195) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcgf6
Synonyms:	4933407A11Rik; AI604840; MBLR; Rnf134
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC016195  
 AACTCGCCAGATTCTGATCCCCGCCATGGACGAGGCTGAGACGGACGCCACGGAAAAACAAGCGCGCCTC  
 TGAGGCCAAGCGAGCCTCAGCCATGCCGCCACCGCCACCGCCTCCGCCTCCCATCTCTCCGCCCGCCCTC  
 ATCCCGGCACCCGCGGCCGGCGAGGAGGGCCCGGCGTCCCTGGGCCAGGCGGGCGCTGCCGGCTGCTCTC  
 GCTCTCGCCCCCGGCGTTGGAGCCCGAGCGCAGCCTGGGCCGCTTGAGAGGCCGCTTCGAGGACTACGA  
 TGAAGAGTTGGAAGAGGAGGAGGAGATGGAGGAGGAAGAAGAGGAGGAGGAAGAGATGAGCCACTTCTCT  
 CTGCGCTGGAGTCCGGACGGGACAGACTCCGAGGACGAGGAGGAGCGCCTGATAAACCTTGTGAGCTGA  
 CCCCTACATCCTGTGTTTCGATTTGCAAAGGTTACCTGATAGATGCAACCACCATTACAGAGTGTCTTCA  
 TACCTTTTGTAAAAGCTGCATTGTGAGACATTTTTACTATAGTAACAGATGCCCAAAATGCAACATAGTT  
 GTCACCAGACTCAGCCTCTTTATAATATAAGGTTGGACCGGCAGTTACAAGACATAGTATACAAATTAG  
 TGATCAATCTAGAGGAAAGAGAAAAAAGCAAATGCATGACTTCTATAAAGAAAGAGGTCTAGAAGTCCC  
 CAAGCCTGCTGCTCCACAGCCAGTCCCTTCAAGCAAAGGAAAAACCAAGAAGTCTAGAGTCAGTGTTT  
 CGTATTCCACCTGAACTTGATATGTCTTTATTACTTGAGTTCATTGGTGCTAATGAAGACACCGGACATT  
 TTAAGCCATTGAAAAAGAAGTTTGTGCGTGTTCAGGAGAAGCAACTATCGGGCATGTAGAAAAATTTCT  
 TAGAAGAAAAATGGGTCTTGATCCAGCTTGTGAGGTAGATATCATCTGTGGGGATCACTTACTGGAGCGG  
 TACCAAACTCTACGGAAATCCGACGTGCAATAGGTGATACAGCAATGCAGGACGGTCTGCTTGTCTTC  
 ATTATGGTCTTGTGGTTTCTCCTTTGAAAATAACTTGAAGATGCAAAGGTATATGAGGAGAGAAACCCAG  
 TCGGAGGCATCTGCATATCTGCATTGCACCAAAGATTCTCACAAAGCACGTAACACTGACTACTTTCCGC  
 TGTTAAGAGCTGGCTTCTGTTGTACCAGAACCCTAGCATTGTGTGTGTACAACCTGAAACAATAGAATG  
 TATTTGTACACTAAAGACTATGGAAACAGCACTATAACTCAGGGGAAAAAACTGAAAACACTGAATTT  
 TAAAATTCCTTGTGATTCAAAATATGAGGAAGTTGCTGGTTGCTTCCCATCTTTGAGGTGGTGGTTCAG  
 TTTCCCAGAGCTGGGACTCTGCCCTCCAGCTGCATGGGCTGGGTGGTTTCTTTCAGAACAGCTTTGCTTT  
 GAGTTCAGAGCCAGTCTGTTAAACCTCGGGTGCCTCCGCACCGAACTACTGGCCACTTACAAGTTCTC  
 GTCTATTCTGAACTTCAAACAAAATTCCTACTGATACCACTAAAGCCCTGTTCTCAGCTCTGAGGCTGA  
 GACTGTCTCTGTAGAAATGGCTCTTCTTAACTAACATCCCTTAAACAAATATGAGGTGCTTCTTCTG  
 ATGGGACACTGGGTGAGGTGTCACAAAATTCCTCAGTGTGGCTGTAATGATGGCACTGCTTCTAACAG  
 TAGCAACAAAATTCAGGTGAATGACCAGAAGTTTACAGAACCCTTATTGTTCTCAGTCACTTAAATGAT  
 CTGTTCCATGTTAATGTTTCTGTTTCTTCCATTTGGATAAAGAATGAGAGTCTTTGAGAACCTTGCT  
 TTCACAGAGACTTCATTGTAACATTACTTTGCCTAAAATTAGCATCCTGATGCTTTCTAAAATACATAT  
 TTTATAGACTTCATAGCAAAAATTCCAAATCTGTACAGAAATTTAAAAAATTAGACTTAAATTGGCGATT  
 GTTTTTGTAAGAATTTATGAACTGTACATAAATCTTCTGACATTTAATAAAAAATTTATTTAGCCCA  
 AAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC016195

**Insert Size:** 1062 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).

**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:** [BC016195](#), [AAH16195](#)

**RefSeq Size:** 2127 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 71041

**Cytogenetics:** 19 C3

**Gene Summary:** Transcriptional repressor. May modulate the levels of histone H3K4Me3 by activating KDM5D histone demethylase. Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity.[UniProtKB/Swiss-Prot Function]