

Product datasheet for **RN202077**

Pcgf6 (NM_001013154) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcgf6 (NM_001013154) Rat Untagged Clone
Tag: Tag Free
Symbol: Pcgf6
Synonyms: Rnf134
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202077 representing NM_001013154
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGAGGCTGAGACGGACGCCACGGAAAACAAGCGCGCTCTGAGGCCAAGCGAGCCTCGGCCATGC
TGCCACCGCCTCCGCCTCCATCTCTCCGCCCGCCCTCATCCCGCGCCAGCGCCGGTGGAGAGGGCCC
GGCGTCCCTGGCCAGGCGGGCGCACCCGGCTGTTCTCGCTCTCGGCCCCGGAGTTGGAGCCCAGCGC
AGCCTGGGCCGCTTGAGAGGCCGCTTCGAGGACTACGATGAAGAGTTGGAAGAGGATGAGGAGATGGAGG
AGGAGGAAGAGGAGGAGGAAGAGATGAGCCACTTCTCTGCGTCTGGAGTCCGGACGGCGGACTCCGA
GGACGAGGAAGAGCGCCTGATCAACCTGGTTGAGCTGACCCCTACATCTTGTGCTCCATTTGCAAAGGT
TACTTGATAGATGCCACCACTATTACAGAATGTCTCCACACCTTCTGTAAGAGTGCATTGTGAGACATT
TTTACTATAGCAACAGATGCCCAAATGCAACATAGTCGTCCACCAGACTCAGCCTCTTTATAATAAG
GTTGGACCGGCAGTTACAAGACATAGTATACAAATAGTAGTCAATCTAGAGGAAAGAGAAAAAAGCAA
ATGCATGACTTCTATAAAGAAAGAGGTCTAGAAGTCCTAAGCCTGCTGTTCCACAGCCCCTCCCTGCAA
GCAAAGGAAGAACCAAGAAAGCCCTAGAGTCAGTGTTCGTATTCCGCCGTAAGTGTGCTTTATT
ACTTGAGTTCATTGGTGCTAATGAAGACACAGGACATTTAAGCCATTGGAAGAAAGTTTGTGCGTGTT
TCAGGAGAAGCAACTATTGGCATGTAGAAAAATTTCTAGAAGAAAAATGGGTCTTGATCCAGCTTGTC
AGGTAGACATCATCTGTGGGATCACTTACTGGAGCGGTACCAAACCTCTGCGGGAATCCGACGTGCAAT
AGGTGACACAGCAATGCAGGATGGTCTACTTGTCTTCTTATGGTCTTGTTCTCCTTTAAAAATA
ACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013154



Insert Size:	1056 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:	<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_001013154.1</u> , <u>NP_001013172.1</u>
RefSeq Size:	2110 bp
RefSeq ORF:	1056 bp
Locus ID:	309457
UniProt ID:	<u>Q5XI70</u>
Cytogenetics:	1q54
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]