

Product datasheet for **SC108793**

PCGF6 (NM_032154) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCGF6 (NM_032154) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCGF6
Synonyms:	MBLR; RNF134
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032154, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGGGTTCGCGGTGGTGACGGCGGGCAGCGTAGGCGCTGCCAAAACCGAGGGAGCTGCAGCCTTGC
CGCCTCCGCTCCTGTCTCCCGCCCGCCCTCACCCCTGCACCCGACGGGTGAGGAGGGACCGCGCC
TCTGTCTGAGACGGGGCTCCCGCTGCTCCGGCTCCCGCCCTGAGCTGGAGCCGGAGCGCAGCCTG
GGCCGCTTCAGAGGCCGCTTCGAGGACGAGGACGAGGAGTTGGAAGAAGAAGAGGAGCTGGAGGAGGAAG
AAGAGGAGGAGGAGGAGGACATGAGTCACTTCTCGTTGAGGCTGGAGGGAGGCCGGCAGGACTCGGAGGA
CGAGGAGGAGCGCCTGATTAATCTCTGAGCTGACCCCATACATCTTGTGTTCCATTTGCAAAGGTTAC
TTAATAGATGCAACTACCATCACAGAATGTCTTCATACCTTTTGTAAAAGCTGCATCGTAAGACATTTT
ACTACAGCAACAGATGTCCAAAATGCAATATAGTAGTACATCAGACACAACCTCTTTATAACATAAGTGC
TAATGAAGGCACGGGACATTTTAAAGCCATTGAAAAGAAGTTTGTTCGAGTTTCAGGAGAAGCAACTATT
GGACATGTAGAAAAATTCCTCAGAAGAAAAATGGGTCTTGATCCAGCTTGTGAGGTAGATATAATCTGTG
GTGATCACCTGTTGGAGCAGTATCAAATCTAAGGGAAATCCGACGTGCAATAGGTGATGCAGCAATGCA
GGATGGTCTGCTTGCCTTATTATGGTCTTGTGGTTTCTCTCTGAAGATAACTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032154 unedited</p> <pre>NCTGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTCTCCC GACCATGGAGGGGGTCCGCGTGGTGACGGCGGGCAGCGTAGGCGCTGCCAAAACCGAGGG AGCTGCAGCCTTGCCGCCTCCGCTCCTGTCTCCCGCCCGCCCTCACCCCTGCACCCGC AGCGGGTGAGGAGGGACCGGCCTCTGTCTGAGACGGGGGCTCCCGGCTGCTCCGGTCC CCGGCCCCCTGAGCTGGAGCCGGAGCGCAGCCTGGGCCGCTTCAGAGGCCGCTTCGAGGA CGAGGACGAGGAGTTGGAAGAAGAAGAGGAGCTGGAGGAGGAAGAAGAGGAGGAGGAGGA GGACATGAGTCACTTCTCGTTGAGGCTGGAGGGAGGCCGCGCAGGACTCGGAGGACGAGGA GGAGCGCCTGATTAATCTCTCTGAGCTGACCCCATACATCTTGTGTTCCATTTGCAAAGG TTACTTAATAGATGCAACTACCATCACAGAATGTCTTCATACCTTTTGTAAAAGTGCAT CGTAAGACATTTTACTACAGCAACAGATGTCCAAAATGCAATATAGTAGTACATCAGAC ACAACCTCTTTAACAATAAGCTGTTCCACAGCCAGTCCCTTCAAGCAAAGGAAGATCTA AAAAAGTCTAGAAATCAGTGTTCGTATCCACCTGAACCTTGATATGTCTTTATTACTGG AGTTCATTGGTGCTAATGAAGGCACGGGACATTNTAAGCCATTGAAAAAGAGTTTGTTCG AGTTTCAGGAGAAGCAACTATTGGACATGTAGGAAAATTCCTCAGAAGAAAAATGGGTCT TGATCCAGCCTGTCAGGTAGAATAATCTGTGGTATCAACCTGTGGAGCAGTATCAN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032154 unedited</p> <pre>TCTGGCCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGGTTAAAATAC ATTTTTATTAATGTTAGAATAAATTTATACACAATTCACAAATCTTTACAAAGAATTG CCAATCTTTTCCAATTTGTAGTAGTCTCTACACATTCAGAAATCTGCTGTTAAACAG GATTTATAAAATATTTCTTTCAGAAAGCATCACAATGCTAATTTTAGGCAATAATGTTT TAAAAGTGAAGTCTTTGCATGGAGGTGAGCTCAAACACCCTTATCTTTATTGCAGTGAT GAAATAATGAGAAAAATAACATTAAACTGACTTACTAAGAAAACAATGAATAAGTAATT CTGTAACCTTCTCAAATCTCCTAAAATTTTTTATTACTTTTTCAGAAAGCAATACTATTGCA AGGTATCAACAACCACACTATGTACCCAAATAAAATGAATGTCAGAAATAAAAATACTGT CACAAAGAAGCACCCCTTATTGGAAGATGTATTGAAGAAGTCTTATTACACTGAAATTTT ATGGCACAGATCATAAACTCAGAGTCTCTTACACATAATAACAATTCATCCATTTTGAA ATGAGTAACTTCTCCTTTGTAGTGTGCTAGTATAAAAAAAGGTACAAGTTCAAATATG CTGGCAACATACAAAAGTGGCCAATAGTTTTGGTCTTTGAGAGTACCCCTGCAGTTTAA CANAGACTGGCTTTGAAATCTCCACNTCAAAGCACACTTCTCTCCANAAGATGACTGCC CCACTGATGCCATNCCAGAGAGCAGATATCCCAACCACCACTTGAATGGCTGACCAAGG AAACTAACCTTACTTCAAAGATGGGAAGCAAAATCATGTCAGGTTTTAAATCATAGAA ATTTTAAATTCATTTTGAATTTNCCCCTGAGCTTNGNCTGCTTTTATTACAGNCTCTA GTACCAGAGCATT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032154
Insert Size:	2000 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: [NM_032154.3](#), [NP_115530.2](#)

RefSeq Size: 2023 bp

RefSeq ORF: 828 bp

Locus ID: 84108

UniProt ID: [Q9BYE7](#)

Cytogenetics: 10q24.33

Domains: RING

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains a RING finger motif, which is most closely related to those of polycomb group (PcG) proteins RNF110/MEL-18 and BMI1. PcG proteins are known to form protein complexes and function as transcription repressors. This protein has been shown to interact with some PcG proteins and act as a transcription repressor. The activity of this protein is found to be regulated by cell cycle dependent phosphorylation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an in-frame segment of the coding region, compared to variant 1. It encodes a shorter isoform (b), that is missing an internal segment compared to isoform a.