

Product datasheet for **SC323726**

PCGF6 (NM_001011663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCGF6 (NM_001011663) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCGF6
Synonyms:	MBLR; RNF134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001011663.1
 GGCGTCCGAGGCCGCGCAACTCCCGCGCTCTCCCGCCGCTCGCCTCGCCTGGTGTCTC
 TCCCGACCATGGAGGGGGTCGCGGTGGTGACGGCGGGCAGCGTAGGCGCTGCCAAAACCG
 AGGGAGCTGCAGCCTTCCCGCTCCGCCTCCGCCTCTGTCTCCCGCCCGCCCTCACCC
 CTGACCCCGCAGCGGGTGAAGGAGGACCGCGCCTCTGTCTGAGACGGGGCTCCCGGT
 GCTCCGGCTCCCGCCCCCTGAGCTGGAGCCGGAGCGCAGCCTGGGCCGTTTCAGAGGCC
 GCTTCGAGGACGAGGACGAGGAGTTGGAAGAAGAAGAGGAGCTGGAGGAGGAAGAAGAGG
 AGGAGGAGGAGGACATGAGTCACCTTCTCGTTGAGGCTGGAGGGAGGCCGGCAGGACTCGG
 AGGACGAGGAGGAGCGCCTGATTAATCTCTCTGAGCTGACCCCATACATCTTGTGTTCCA
 TTTGCAAAGGTTACTTAATAGATGCAACTACCATCACAGAATGTCTTCATACCTTTTGTA
 AAAGCTGCATCGTAAGACATTTTACTACAGCAACAGATGTCCAAAATGCAATATAGTAG
 TACATCAGACACAACCTCTTTAACATAAAGTTGGACCGACAGTTACAAGACATAGTGT
 ACAAATAGTGATCAATCTAGAGGAAAGAGAAAAAAGCAATGCATGATTTCTATAAAG
 AAAGAGGTCTAGAAGTACCTAACCTGCTTCCACAGCCAGTCCCTTCAAGCAAAGGAA
 GATCTAAAAAAGTCTAGAATCAGTGTTCGTATTCCACCTGAACCTTGATATGCTTTTAT
 TACTGGAGTTCATTGGTGCTAATGAAGGCACGGGACATTTTAAGCCATTGAAAAAGAAAT
 TTGTTTCGAGTTTCAGGAGAAGCAACTATTGGACATGTAGAAAAATTCCTCAGAAGAAAA
 TGGGTCTTGATCCAGCTTGTGAGGTAGATAAATCTGTGGTGATCACCTGTTGGAGCAGT
 ATCAAACCTAAGGGAAATCCGACGTGCAATAGGTGATGCAGCAATGCAGGATGGTCTGC
 TTGTCCTTCATTATGGTCTTGTGGTTTCTCCTCTGAAGATAACTGAAGATTCTAGGCAC
 ATTATGAGGAGGGAAACAAGGAGGCTTCTGCAGGACTGCATCTACCAAAGATTCCAT
 GAAATGTAATTGCTACCACTTTGCTGTTCAAGACATAACTTACCTATTTTATGACCAAG
 AATTATAGCGTTTATAAGTACAACCTTGAACGATGGAATGCATCTGTTACTAGAGACTGT
 ATATAAAAAGCAGCCAAAGCTCAGGGGAAATTTTCAAAAATTGAATTTTAAAATTTCTT
 ATGATTTTAAATACCTTGACATTGATTTTGTCTCCCATCTTTGAAGTAATTGGTTAGTTT
 TCTTTGTCAGCCATTTCAAGTTGGTGGTTGGGATATCTGCTCTCTGGGATGGCATCAGT
 TGGGCAGTCATCTTTTGAAGAGAAGTGTGCTTTGAGTGGAAGATTCAAAGCCAGTCT
 TTGTTAAACTGCAGGGTGTACTCTCAAAGACCAAACTATTGGCCACTTTTGTATGTTGC
 CAGCATATTTGAACTTGTACCTTTTTTATACTAGCAACACTACAAAGGAGAAGTTACT
 CATTTCAAATGGATGAATTGTTATTATGTGTGAAGAGACTCTGAGTTTATGATCTGTGC
 CATAAAATTTTCAGTGAATAAGACTTCTCAATACATCTTCCAATAAGGGGTGCTTCTTT
 GTGACAGTATTTTATTTCTGACATTCATTTATTTGGGTACATAGTGTGGTTGTTGATA
 CCTTGCAATAGTATTGCTTCTGAAAGTAATAAAAAATTTTAGGAGAATTTGAGAAGTTTA
 GAGAATTACTTATTCAATTGTTTTCTTAGTAAGTCAGTTTAATGTTATTTTTCTCATTAT
 TTCATCACTGCAATAAAGAATAAGGGTGTTTGAGCTCACCTCCATGCAAAGACTTCAGTT
 TAAAAACATTATTTGCCTAAAATTAGCATTGTGATGCTTTCTGAAAGAAATTTTTATAA
 ATCCTGTTAACAGCAGAATTTCTGAATGTGTAGAGACTACTACAAAATTGAAAAAGAT
 TGGCAATTCCTTTGTAAGAATTTGTGAATTGTGTATAAAATTTATTCTAACATTTAATAAA
 AATGTATTTTAACTAAAAAATTT

Restriction Sites: ECoRI-NOT

ACCN: NM_001011663

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001011663.1](#), [NP_001011663.1](#)

RefSeq Size: 2248 bp

RefSeq ORF: 1053 bp

Locus ID: 84108

UniProt ID: [Q9BYE7](#)

Cytogenetics: 10q24.33

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 (1) represents the longer transcript, and encodes the longer isoform (a).