

Product datasheet for **RG203553**

PCGF6 (NM_032154) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCGF6 (NM_032154) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCGF6
Synonyms:	MBLR; RNF134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203553 representing NM_032154 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGGGTCGCGGTGGTGACGGCGGGCAGCGTAGGCGCTGCCAAAACCGAGGGAGCTGCAGCCTTGC
CGCCTCCGCCTCCGCCTCCTGTCTCCCCGCCCGCCCTCACCCCTGCACCCGCAGCGGGTGGAGGGGACC
GGCGCCTCTGTCTGAGACGGGGCTCCCGGCTGCTCCGGCTCCCGCCCCCTGAGCTGGAGCCGGAGCGC
AGCCTGGGCCGCTTCAGAGGCCGCTTCGAGGACGAGGACGAGGAGTTGGAAGAAGAAGAGGAGCTGGAGG
AGGAAGAAGAGGAGGAGGAGGAGGACATGAGTCACTTCTCGTTGAGGCTGGAGGGAGGCCGCGAGGACTC
GGAGGACGAGGAGGAGCGCCTGATTAATCTCTCTGAGCTGACCCATACATCTTGTGTTCCATTTGCAAA
GGTTACTTAATAGATGCAACTACCATCACAGAATGTCTTCATACCTTTTGTAAAAGCTGCATCGTAAGAC
ATTTTTACTACAGCAACAGATGTCCAAAATGCAATATAGTAGTACATCAGACACAACCTCTTTATAACAT
AAGTGCTAATGAAGGCACGGGACATTTAAGCCATTGGAAGAAAGTTTGTTCGAGTTTCAGGAGAAGCA
ACTATTGGACATGTAGAAAAATTCCTCAGAAGAAAAATGGGTCTTGATCCAGCTTGTCCAGGTAGATATA
TCTGTGGTGATCACCTGTTGGAGCAGTATCAAACCTAAGGGAATCCGACGTGCAATAGGTGATGCAGC
AATGCAGGATGGTCTGCTTGCTTCATTATGGTCTTGTGGTTTCTCCTGAAGATAACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203553 representing NM_032154
Red=Cloning site Green=Tags(s)

MEGVAVVTAGSVGAAKTEGAAALPPPPPPVSPALTPAPAAGEEGPAPLSETGAPGCSGSRPPELEPER
 SLGRFRGRFEDEDEEELEEEEEEEEEEEEEEDMSHFSLRLEGGRQDSEDEEERLINLSELTPYILCSICK
 GYLIDATTITECLHTFCKSCIVRHFYYSNRCPKCNIVVHQTPQLYNISANEGTGHFKPLEKKFVRVSGEA
 TIGHVEKFLRRKMGLDPACQVDIICGDHLLLEQYQTLREIRRAIGDAAMQDGLLVLHYGLVVSPLKIT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032154

ORF Size: 831 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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](#)

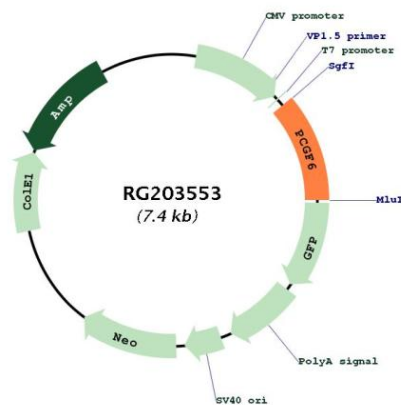
Cytogenetics: 10q24.33

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]

Product images:



Circular map for RG203553