OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC203553

PCGF6 (NM_032154) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCGF6 (NM_032154) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCGF6
Synonyms:	MBLR; RNF134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC203553 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGGGGTCGCGGTGGTGACGGCGGGCAGCGTAGGCGCTGCCAAAACCGAGGGAGCTGCAGCCTTGC
CGCCTCCGCCTCCGCCTCCTGTCTCCCCGCCCGCCCTCACCCCTGCACCCGCAGCGGGTGAGGAGGGACC
GGCGCCTCTGTCTGAGACGGGGGCTCCCGGCTGCTCCGGCTCCCGGCCCCCTGAGCTGGAGCCGGAGCGC
AGCCTGGGCCGCTTCAGAGGCCGCTTCGAGGACGAGGACGAGGAGTTGGAAGAAGAAGAGGAGCTGGAGG
AGGAAGAAGAGGAGGAGGAGGAGGACATGAGTCACTTCTCGTTGAGGCTGGAGGGAGGCCGGCAGGACTC
GGAGGACGAGGAGGAGCGCCTGATTAATCTCTCTGAGCTGACCCCATACATCTTGTGTTCCATTTGCAAA
GGTTACTTAATAGATGCAACTACCATCACAGAATGTCTTCATACCTTTTGTAAAAGCTGCATCGTAAGAC
ATTTTTACTACAGCAACAGATGTCCAAAATGCAATATAGTAGTACATCAGACACAACCTCTTTATAACAT
AAGTGCTAATGAAGGCACGGGACATTTTAAGCCATTGGAAAAGAAGTTTGTTCGAGTTTCAGGAGAAGCA
ACTATTGGACATGTAGAAAAATTCCTCAGAAGAAAAATGGGTCTTGATCCAGCTTGTCAGGTAGATATAA
TCTGTGGTGATCACCTGTTGGAGCAGTATCAAACTCTAAGGGAAATCCGACGTGCAATAGGTGATGCAGC
AATGCAGGATGGTCTGCTTGTCCTTCATTATGGTCTTGTGGTTTCTCCTCTGAAGATAACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC203553 protein sequence
Red=Cloning site Green=Tags(s)

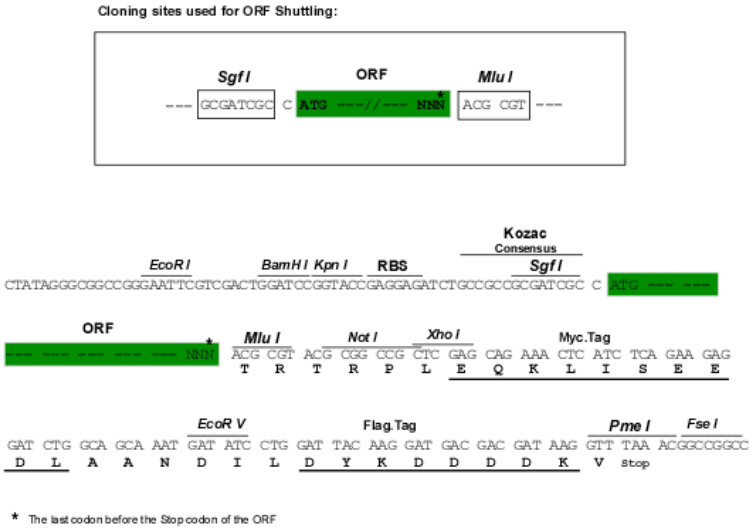
MEGVAVVTAGSVGAAKTEGAAALPPPPPPPVSPPALTPAPAAGEEGPAPLSETGAPGCSGSRPPELEPER
SLGRFRGRFEDEDEELEEEEELEEEEEEEEEDMSHFSLRLEGGRQDSEDEEERLINLSELTPYILCSICK
GYLIDATTITECLHTFCKSCIVRHFYYSNRCPKCNIVVHQTQPLYNISANEGTGHFKPLEKKFVRVSGEA
TIGHVEKFLRRKMGLDPACQVDIICGDHLLEQYQTLREIRRAIGDAAMQDGLLVLHYGLVVSPLKIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6413_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032154

ORF Size: 831 bp

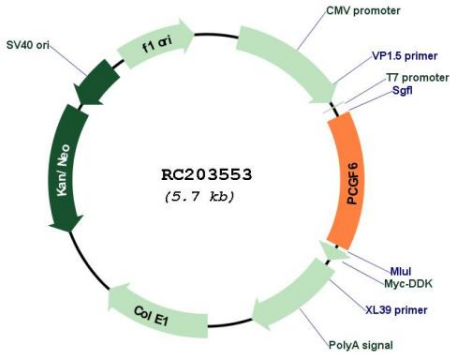
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

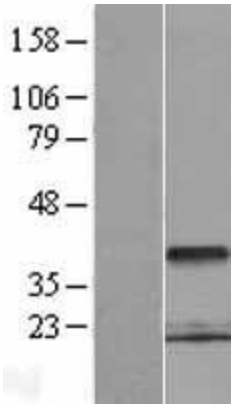
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
MW:	30.4 kDa
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 RC203553



Western blot validation of overexpression lysate (Cat# [LY410309]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203553 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).