

Product datasheet for **RG216111**

PCGF3 (NM_006315) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCGF3 (NM_006315) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCGF3
Synonyms:	DONG1; RNF3; RNF3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216111 representing NM_006315 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACCAGGAAGATCAAGCTGTGGGACATCAACGCCACATCACCTGCCGCTGTGCAGCGGGTACC
TCATCGACGCCACCACGGTGACCGAGTGTCTGCACACCTTCTGCAGGAGCTGCCTGGTGAAGTACCTGGA
GGAGAACAACACCTGCCACCTGCAGGATTGTGATCCACCAGAGCCACCCCTGCAGTACATCGGTCAT
GACAGAACCATGCAAGATATTGTTTACAAATTGGTACCAGGCCTCAAGAAGCGGAAATGAGAAAGCAGA
GGGAGTTCTATCAGAAATGGGCATGGAGGTGCCGGGAGACATCAAGGGGAGACCTGCTCTGCAAAACA
GCCTTAGATTCCCATCGGAATGGTGAACCAAGCAGACGACAGTTCAAACAAAGAGGCCGCGGAGGAG
AAGCCGGAGGAGGACAACGACTACCACCGCAGCGACGAGCAGGTGAGCATCTGCCTGGAGTGTAAACAGCA
GCAAACTGCGCGGGCTGAAGCGGAAGTGGATCCGCTGCTCAGCCAGGCGACCGTCTTGATCTGAAGAA
GTTTCATCGCAAAAAAACAACCTTTTCCTTTAACGAGCTGGACATTTTATGCAACGAGGAGATCCTG
GGCAAGGACCACACTCAAGTTCGTGGTTGCTACTAGGTGGAGATTCAAGAAGCGCCGCTCCTGCTGC
ACTACAGACCCAAGATGGACTTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216111 representing NM_006315
Red=Cloning site Green=Tags(s)

MLTRKIKLWDINAHITCRLCSGYLIDATTVTECLHTFCRSLVKYLEENNTCPTCRIVIHQSHPLQYIGH
 DRTMQDIVYKLVPLQEAEMRKQREFYHKLGMVPGDIKGETCSAKQHLDShRNGETKADSSNKEAAEE
 KPEEDNDYHRSDEQVSICLECNSSKLRGLKRWIRCSAQATVLHLKFFIAKKLNLSSFNELDILCNEEIL
 GKDH TLKFVVVTRWRFFKAPLLLHYRPMKMDLL

TRTRPLE - GFP Tag - V

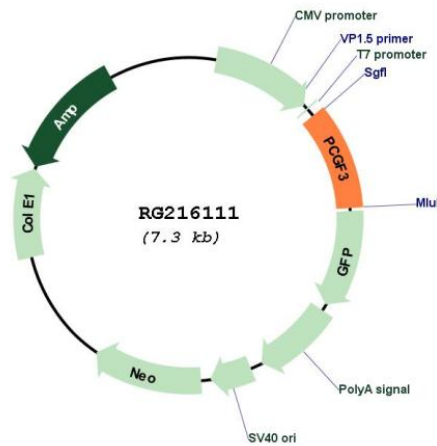
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_006315

ORF Size: 726 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:	<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:	NM_006315.6
RefSeq Size:	5666 bp
RefSeq ORF:	729 bp
Locus ID:	10336
UniProt ID:	Q3KNV8
Cytogenetics:	4p16.3
Domains:	RING
Gene Summary:	The protein encoded by this gene contains a C3HC4 type RING finger, which is a motif known to be involved in protein-protein interactions. The specific function of this protein has not yet been determined. [provided by RefSeq, Jul 2008]