

# **Product datasheet for RG233309**

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OriGene Technologies, Inc.

# PLGF (PGF) (NM\_001207012) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** PLGF (PGF) (NM\_001207012) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: PGF

Synonyms: D12S1900; PGFL; PIGF; PIGF-2; SHGC-10760

Mammalian Cell

Selection:

Neomycin

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG233309 representing NM\_001207012 Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGGTGCGGCGATGCTGTTCCCCGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233309 representing NM\_001207012

Red=Cloning site Green=Tags(s)

MPVMRLFPCFLQLLAGLALPAVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVVSEYPSEVE HMFSPSCVSLLRCTGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPE

RCGDAVPRR

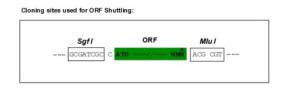
TRTRPLE - GFP Tag - V

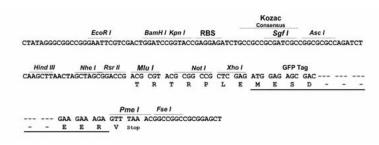
Restriction Sites: Sgfl-Mlul



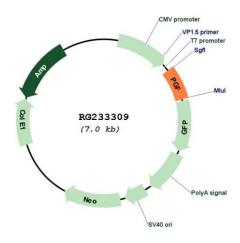


#### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM 001207012

ORF Size: 447 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.



## PLGF (PGF) (NM\_001207012) Human Tagged ORF Clone - RG233309

**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: <u>NM 001207012.1</u>, <u>NP 001193941.1</u>

RefSeq Size: 1848 bp
RefSeq ORF: 450 bp
Locus ID: 5228
UniProt ID: P49763
Cytogenetics: 14q24.3

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Bladder cancer, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in

cancer, Renal cell carcinoma

**Gene Summary:** This gene encodes a growth factor found in placenta which is homologous to vascular

endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have

been found for this gene.[provided by RefSeq, Jun 2011]