

## **Product datasheet for RG200443**

## PLGF (PGF) (NM 002632) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** PLGF (PGF) (NM\_002632) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: PLGF

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 >RG200443 representing NM\_002632

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GCGATGCTGTTCCCCGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200443 representing NM\_002632

Red=Cloning site Green=Tags(s)

MPVMRLFPCFLQLLAGLALPAVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVVSEYPSEVE HMFSPSCVSLLRCTGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPE

RRRPKGRGKRRREKQRPTDCHLCGDAVPRR

TRTRPLE - GFP Tag - V

**Chromatograms:** https://cdn.origene.com/chromatograms/ja3440 b04.zip



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

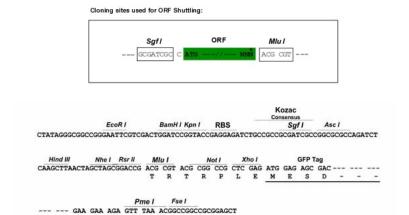
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**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 



**ACCN:** NM\_002632

ORF Size: 510 bp

**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 <a href="mailto:customercom">customercom</a> 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 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:** <u>NM 002632.5</u>

 RefSeq Size:
 1758 bp

 RefSeq ORF:
 513 bp

 Locus ID:
 5228

 UniProt ID:
 P49763

 Cytogenetics:
 14q24.3

 Domains:
 PDGF

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

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

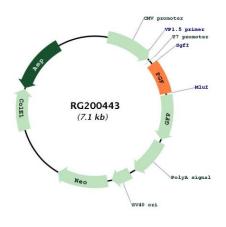
cancer, Renal cell carcinoma

**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]

## **Product images:**



Circular map for RG200443