

## 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; PLGF; PIGF-2; SHGC-10760  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200443 representing NM\_002632  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGGTCATGAGGCTGTTCCCTTGCTTCTGCAGCTCCTGGCCGGCTGGCGTGCCTGCTGTGCCCC  
CCCAGCAGTGGGCCTTGCTGCTGGGAACGGCTCGTCAGAGGTGGAAGTGGTACCCTTCCAGGAAGTGTG  
GGCCCGCAGCTACTGCCGGCGCTGGAGAGGCTGGTGGACGTCGTGCCGAGTACCCAGCGAGGTGGAG  
CACATGTTACGCCATCCTGTGTCTCCCTGCTGCGCTGCACCGGCTGCTGCGCGATGAGAATCTGCACT  
GTGTGCCGGTGGAGACGGCCAATGTCACCATGCAGCTCCTAAAGATCCGTTCTGGGGACCGCCCTCCTA  
CGTGGAGCTGACGTTCTCTCAGCACGTTTCGCTGCGAATGCCGGCCTCTGCGGGAGAAGATGAAGCCGGAA  
AGGAGGAGACCCAAGGGCAGGGGAAGAGGAGGAGAGAGAAGCAGAGACCCACAGACTGCCACCTGTGCG  
GCGATGCTGTTCCCCGGAGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG200443 representing NM\_002632  
Red=Cloning site Green=Tags(s)

MPVMRLFPCFLQLLAGLALPAVPPQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVYSEYPSEVE  
HMFSPSCVSLRCTGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPE  
RRRPKGRGKRRREKQRPTDCHLCGDAVPRR

**TRTRPLE** - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3440\\_b04.zip](https://cdn.origene.com/chromatograms/ja3440_b04.zip)



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**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\\_002632.5](#)

**RefSeq Size:** 1758 bp

**RefSeq ORF:** 513 bp

**Locus ID:** 5228

**UniProt ID:** [P49763](#)

**Cytogenetics:** 14q24.3

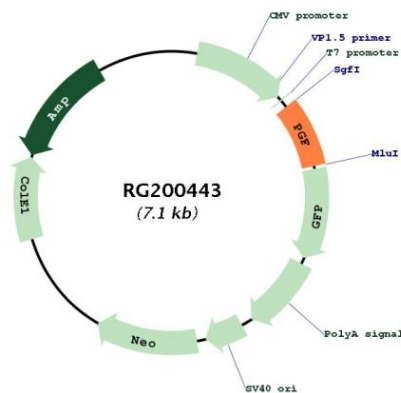
**Domains:** PDGF

**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