

Product datasheet for **RG233309**

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; PLGF; PIGF-2; SHGC-10760
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233309 representing NM_001207012
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTCATGAGGCTGTTCCCTTGCTTCTGCAGCTCCTGGCCGGCTGGCGCTGCCTGCTGTGCCCC
CCCAGCAGTGGGCCTTGCTGCTGGGAACGGCTCGTCAGAGGTGGAAGTGGTACCCTTCCAGGAAGTGTG
GGCCCGCAGCTACTGCCGGCGCTGGAGAGGCTGGTGGACGTCGTGTCGAGTACCCAGCGAGGTGGAG
CACATGTTCAGCCATCCTGTGTCTCCCTGCTGCGCTGCACCGGCTGCTGCGCGATGAGAATCTGCACT
GTGTGCCGGTGGAGACGGCCAATGTCACCATGCAGCTCCTAAAGATCCGTTCTGGGGACCGCCCTCCTA
CGTGGAGCTGACGTTCTCTCAGCACGTTTCGCTGCGAATGCCGGCCTCTGCGGGAGAAGATGAAGCCGGAA
AGGTGCGCGATGCTGTTCCCGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233309 representing NM_001207012
Red=Cloning site Green=Tags(s)

MPVMRLFPCFLQLLAGLALPAVPPQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVYSEYPSEVE
HMFSPSCVSLLRCTGCCDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPE
RCGDAVPRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<u>NM_001207012.1, NP_001193941.1</u>
RefSeq Size:	1848 bp
RefSeq ORF:	450 bp
Locus ID:	5228
UniProt ID:	<u>P49763</u>
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]