

Product datasheet for **RC233309**

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: Myc-DDK
Symbol: PLGF
Synonyms: D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233309 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

RCATGCCGGTCATGAGGCTGTTCCCTTGCTTCTGCAGCTCCTGGCCGGGCTGGCGCTGCCTGCTGTGCC
 CCCCCAGCAGTGGGCTTGTCTGCTGGAAACGGCTCGTCAGAGGTGGAAGTGGTACCCTTCCAGGAAGTG
 TGGGGCCGCGCTACTGCCGGGCGCTGGAGAGGCTGGTGGACGTCGTGTCGAGTACCCAGCGAGGTGG
 AGCACATGTTAGCCCATCCTGTGTCTCCCTGCTGCGCTGCACCGGCTGCTGCGGCGATGAGAATCTGCA
 CTGTGTGCCGGTGGAGACGGCCAATGTACCATGCAGCTCCTAAAGATCCGTTCTGGGACCGGCCCTCC
 TACGTGGAGCTGACGTTCTCTCAGCACGTTTCGCTGCGAATGCCGGCTCTGCGGGAGAAGATGAAGCCGG
 AAAGGTGCGGCGATGCTGTTCCCGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233309 protein sequence
 Red=Cloning site Green=Tags(s)

XCRS*GCSLASCSSWPGRCLLCPSSGPCLLGTARQRWKWYPSRKCGAAATAGRWRGWWTSCPSTPARW
 STCSAHPVSPCCAAPAAAAMRICTVCRWRPMSPCSS*RSVLGTGPPTWS*RSLSTFAANAGLCGRR*SR
 KGAAMLFPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


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.

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: [NM_001207012.1](#), [NP_001193941.1](#)

RefSeq Size: 1848 bp

RefSeq ORF: 450 bp

Locus ID: 5228

UniProt ID: [P49763](#)

Cytogenetics: 14q24.3

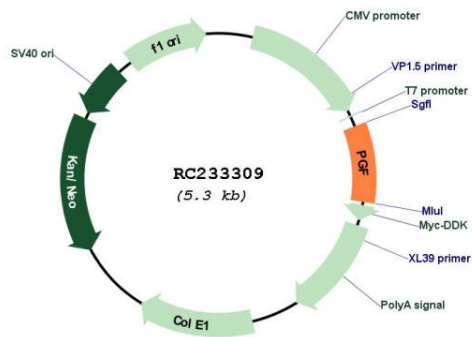
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Bladder cancer, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma

MW: 16.7 kDa

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 RC233309