

Product datasheet for **SC320206**

PLGF (PGF) (NM_002632) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLGF (PGF) (NM_002632) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLGF
Synonyms:	D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002632.4
 CTGCTGTCTGCGGAGGAAACTGCATCGACGGACGGCCGCCAGCTACGGGAGGACCTGGA
 GTGGCACTGGGCGCCCGACGGACCATCCCCGGGACCCGCTGCCCTCGGCGCCCCGCC
 CGCCGGGCGCTCCCCGTGGGTTCCCCAGCCACAGCCTTACCTACGGGCTCCTGACTCC
 GCAAGGCTTCCAGAAGATGCTCGAACACCGGCCGGGCTCGGGGCAGCAGTGAGGGAG
 GCGTCCAGCCCCCACTAGCTCTTCTCCTGTGCCAGGGCTCCCCGGGGATGAGC
 ATGGTGGTTTTCCCTCGAGCCCCCTGGCTCGGACGTCTGAGAAGATGCCGGTCTAGAG
 GCTGTTCCCTTGCTTCTCGCAGCTCCTGGCCGGGCTGGCGCTGCCTGCTGTGCCCCCA
 GCAGTGGGCTTGTCTGTGGGAACGGCTCGTCAGAGGTGGAAGTGGTACCCTTCCAGGA
 AGTGTGGGCGCAGCTACTGCCGGCGCTGGAGAGGCTGGTGGACGTCGTGTCCAGTA
 CCCCAGCGAGGTGGAGCACATGTTACGCCATCCTGTGTCTCCCTGCTGCGCTGCACCGG
 CTGCTGCGGCGATGAGAATCTGCACTGTGTGCCGGTGGAGACGGCCAATGTACCATGCA
 GCTCCTAAAGATCCGTTCTGGGGACCGCCCTCTACGTGGAGCTGACGTTCTTCAGCA
 CGTTCGCTGCGAATGCCGCCTCTCGGGAGAAGATGAAGCCGGAAGGAGGAGACCCAA
 GGGCAGGGGGAAGAGGAGAGAGAAGCAGAGACCCACAGACTGCCACCTGTGCGGCGA
 TGCTGTTCCCGGAGGTAACCCACCCCTTGGAGGAGAGAGACCCCGACCCGGCTCGTGT
 ATTTATTACCGTCACACTCTTACGTGACTCCTGCTGGTACCTGCCCTCTATTTATTAGCC
 AACTGTTTCCCTGCTGAATGCCTCGCTCCCTTCAAGACGAGGGGACGGGAAGGACAGGAC
 CCTCAGGAATTCAGTGCCTTCAACAACGTGAGAGAAAGAGAGAAGCCAGCCACAGACCCC
 TGGGAGCTTCCGCTTTGAAAAGCAAGACACGTGGCCTCGTGGGGCAAGCTAGGCC
 CAGAGGCCCTGGAGGTCTCCAGGGGCTGCAGAAGGAAAGAGGGGGCCCTGCTACCTGT
 TCTTGGGCTCAGGCTCTGCACAGTCAAGCAGCCCTTGCCTTTCGGAGCTCCTGTCCAAAA
 GTAGGGATGCGGATCCTGCTGGGCGCCACGGCCTGGCTGGTGGGAAGGCCGGCAGCGG
 GCGGAGGGGATCCAGCCACTTCCCTCTTCTTCTGAAGATCAGAACATTCAGCTCTGGA
 GAACAGTGGTTGCTGGGGCTTTTCCACTCCTTGTCCCCGTGATCTCCCTCACACT
 TTGCCATTTGCTGTACTGGGACATTGTTCTTCCGGCCAAGGTGCCACCACCCTGCCCC
 CCCTAAGAGACACATACAGAGTGGGCCCGGGCTGGAGAAAGAGCTGCCTGGATGAGAAA
 CAGCTCAGCCAGTGGGATGAGGTCACCAGGGGAGGAGCCTGTGCGTCCCAGCTGAAGGC
 AGTGGCAGGGGAGCAGGTTCCCCAAGGGCCCTGGCACCCCAAGCTGTCCCTGCAGGG
 CCATCTGACTGCCAAGCCAGATTCTTGAATAAAGTATTCTAGTGTGGAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002632

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 custsupport@origene.com 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_002632.4 , NP_002623.2
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:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>