

Product datasheet for **MG203421**

Pdgfd (BC030896) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdgfd (BC030896) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdgfd
Synonyms:	1110003I09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203421 representing BC030896 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAACGGCTCGTTTTAGTCTCCATTCTCCTGTGCGCGAACTTTAGCTGCTATCCGGACACTTTTGCGA
CTCCGAGAGAGCATCCATCAAAGCTTTGCGCAATGCCAACCTCAGGAGAGATGAGAGCAATCACCTCAC
AGACTTGTACCAGAGAGAGGAGAACATTCAGGTGACAAGCAATGGCCATGTGCAGAGTCTCGTTCGCG
AACAGCTACCCAAGGAACCTGCTTCTGACATGGTGGCTCCGTTCCAGGAGAAAAACCGGATACAACCTGT
CCTTTGACCATCAATTCGGACTAGAGGAAGCAGAAAATGACATTTGTAGGTATGACTTTGTGGAAGTTGA
AGAAGTCTCAGAGAGCAGCACTGTTGTCAGAGGAAGATGGTGTGGCCACAAGGAGATCCCTCAAGGATA
ACGTCAAGAACAACCAGATTAAAATCACATTTAAGTCTGATGACTACTTTGTGGCAAAACCTGGATTCA
AGATTTATTATTCATTTGTGGAAGATTCCTCAACCGGAAGCAGCCTCAGAGACCAACTGGGAATCAGTCAC
AAGCTCTTTCTCTGGGTGTCCTATCACTCTCCATCAATAACGGACCCCACTCTCACTGCTGATGCCCTG
GACAAAAGTGTGCGAGAATTCGATACCGTGGAAGATCTACTTAAGCACTTCAATCCAGTGTCTTGGAAG
ATGATCTGGAGAATTTGTATCTGGACACCCCTCATTATAGAGGCAGGTATACCATGATCGGAAGTCCAA
AGGTATTGAAGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG203421 representing BC030896
Red=Cloning site Green=Tags(s)

MQRLVLVSILLCANFSCYPDTFATPQRASIKALRNANLRRDESNHLTDL YQREENIQVTSNGHVQSPRFP
 NSYPRNLLLTWWLRSQEKTRIQLSFDHQFGL EEAENDICRYDFVEVEEVSSTVVRGRWCCKHEIPPRI
 TSRTNQIKITFKSDDYFVAKPGFKIYYSFVEDSQPEAASETNWESVTSSFSGVSYHSPSITDPTLTADAL
 DKTVAEFDTVEDLLKHFNPVSWQDDLENLYLDTPHYRGRSYHDRKSKGIEV

TRTRPLE - GFP Tag - V

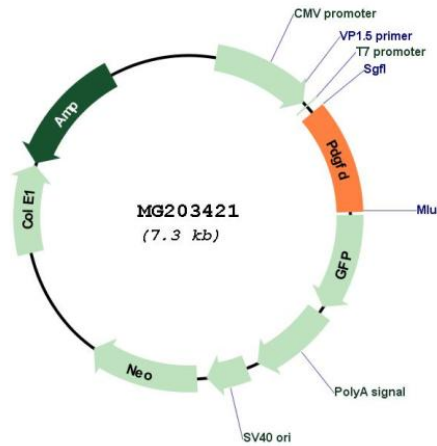
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC030896

ORF Size: 785 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:	<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:	BC030896 , AAH30896
RefSeq Size:	2870 bp
RefSeq ORF:	785 bp
Locus ID:	71785
Cytogenetics:	9 A1
Gene Summary:	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Plays an important role in wound healing (By similarity). Has oncogenic potential and can induce tumor formation. Induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. Can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix.[UniProtKB/Swiss-Prot Function]