

Product datasheet for **MG222357**

Pdgfd (NM_027924) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pdgfd (NM_027924) 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: >MG222357 representing NM_027924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAACGGCTCGTTTTAGTCTCCATTCTCCTGTGCGCGAACTTTAGCTGCTATCCGGACACTTTTGCGA
 CTCGCGAGAGAGCATCCATCAAAGCTTTGCGCAATGCCAACCTCAGGAGAGATGAGAGCAATCACCTCAC
 AGACTTGTACCAGAGAGAGGAGAACATTCAGGTGACAAGCAATGGCCATGTGCAGAGTCTCGTTCGCG
 AACAGCTACCCAAGGAACCTGCTTCTGACATGGTGGCTCCGTTCCAGGAGAAAAACCGGATACAACCTGT
 CCTTTGACCATCAATTCGACTAGAGGAAGCAGAAAATGACATTTGTAGGTATGACTTTGTGGAAGTTGA
 AGAAGTCTCAGAGAGCAGCACTGTTGTCAGAGGAAGATGGTGTGGCCACAAGGAGATCCCTCCAAGGATA
 ACGTCAAGAACAACAGATTAAAATCACATTTAAGTCTGATGACTACTTTGTGGCAAAACCTGGATTCA
 AGATTTATTATTCATTTGTGGAAGATTTCCAACCGGAAGCAGCCTCAGAGACCAACTGGGAATCAGTCAC
 AAGCTCTTTCTCTGGGTGTCCTATCACTCTCCATCAATAACGGACCCCACTCTCACTGCTGATGCCCTG
 GACAAAACCTGTCGAGAATTCGATACCGTGGAAGATCTACTTAAGCACTTCAATCCAGTGTCTTGGAAG
 ATGATCTGGAGAATTTGTATCTGGACACCCCTCATTATAGAGGCAGGTCATACCATGATCGGAAGTCCAA
 AGTGGACCTGGACAGGCTCAATGATGATGTCAAGCGTTACAGTTGCACTCCAGGAATCACTCTGTGAAC
 CTCAGGGAGGAGCTGAAGCTGACCAATGCAGTCTTCTCCACGATGCCCTCCTCGTCAGCGCTGTGGTG
 GCAACTGTGGTTGCGGAACTGTCAACTGGAAGTCTGACATGCAGCTCAGGGAAGACAGTGAAGAAGTA
 TCATGAGGTATTGAAGTTTGAGCCTGGACATTTCAAGAGAAGGGGCAAAGCTAAGAAATATGGCTCTTGT
 GATATCCAGCTGGATCATCATGAGCGATGTGACTGTATCTGCAGCTCAAGACCACCTCGA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222357 representing NM_027924
 Red=Cloning site Green=Tags(s)

MQRLVLVSILLCANFSCYPDTFATPQRASIKALRNANLRRDESNHLTDL YQREENIQVTSNGHVQSPRFP
 NSYPRNLLL TWLRSQEKTRIQLSFDHQFGL EEAENDICRYDFVEVEEVSSTVVRGRWCGHKEIPPRI
 TSRTNQIKITFKSDDYFVAKPGFKIYYSFVEDFQPEAASETNWESVTSSFSGVSYHSPSITDPTLTADAL
 DKTVAEFDTVEDLLKHFNPVSWQDDLENLYLDTPHYRGRSYHDRKSKVDLDRLNDDVKRYSCTPRNHSVN
 LREELKLTNAVFFPRCLLVQRCGGNCGCGTVNWK SCTCSSGKTVKKYHEVLKFEPGHFKRRGKAKNMALV
 DIQLDHHERCDCICSSRPPR

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3171_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027924

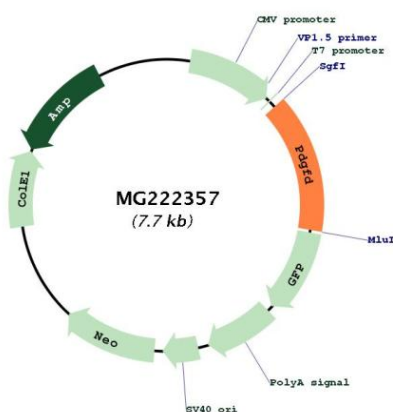
ORF Size: 1110 bp

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 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:	NM_027924.3
RefSeq Size:	1795 bp
RefSeq ORF:	1113 bp
Locus ID:	71785
UniProt ID:	Q92517
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]

Product images:



Circular map for MG222357