

Product datasheet for **MG201931**

Pdgfa (NM_008808) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfa (NM_008808) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pdgfa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201931 representing NM_008808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGGACCTGGGCTTGCTGCTCCTCGGCTGCGGATACCTCGCCCATGCCCTGGCCGAGGAAGCCG
 AGATACCCCGGGAGTTGATCGAGCGGCTGGCTCGAAGTCAGATCCACAGCATCCGGGACCTCCAGCGACT
 CTTGGAGATAGACTCCGTAGGGGCTGAGGATGCCTTGGAGACAAGCCTGAGAGCCCATGGTCCCATGCC
 ATTAACCATGTGCCCGAGAAGCGGCCTGTGCCATTTCGAGGAAGAGAAGTATTGAGGAAGCCATTCCCG
 CAGTTTGAAGACCAGGACGGTCATTTACGAGATACCTCGGAGCCAGGTGGACCCACATCGGCCAACTT
 CCTGATCTGGCCCCATGTGTGGAGGTGAAGCGCTGCACTGGCTGTTGTAAACACCAGCAGCGTCAAGTGC
 CAGCCTTCACGGGTCCACCACCGCAGTGTCAAGGTGGCCAAAGTGGAGTATGTCAGGAAGAAGCCAAAAT
 TGAAAGAGGTCCAGGTGAGGTTAGAGGAACACCTGGAGTGTGCATGTGCGACCTCCAACCTGAACCCAGA
 CCATCGGGAGGAGGAGACAGATGTGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201931 representing NM_008808
Red=Cloning site Green=Tags(s)

MRTWACL LLLGCGYLAHALAEEAEIPRELIERLARSQIHSIRDLQRLLEIDSVGAEDALETSLRAHGSHA
 INHVPEKRPVPIRRKRSIEEAIPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVKRCTGCCNTSSVKC
 QPSRVHHRSVKVAKVEYVRKPKLKEVQVRL EEHLECACATSNLNPDHREEETDVR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

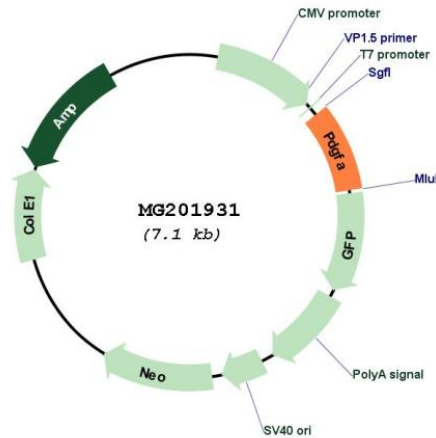


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Cloning Scheme:



Plasmid Map:



ACCN: NM_008808

ORF Size: 588 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:	<u>NM_008808.2</u>
RefSeq Size:	1019 bp
RefSeq ORF:	591 bp
Locus ID:	18590
UniProt ID:	<u>P20033</u>
Cytogenetics:	5 77.65 cM
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. Required for normal lung alveolar septum formation during embryogenesis, normal development of the gastrointestinal tract, normal development of Leydig cells and spermatogenesis. Required for normal oligodendrocyte development and normal myelination in the spinal cord and cerebellum. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFB. [UniProtKB/Swiss-Prot Function]