

Product datasheet for **MR201931**

Pdgfa (NM_008808) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfa (NM_008808) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdgfa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201931 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGAGGACCTGGGCTTGCTGCTCCTCGGCTGCGGATACCTCGCCATGCCCTGGCCGAGGAAGCCGAGATACCCCGGGAGTTGATCGAGCGGCTGGCTCGAAGTCAGATCCACAGCATCCGGGACCTCCAGCGACTCTTGGAGATAGACTCCGTAGGGGCTGAGGATGCCTTGGAGACAAGCCTGAGAGCCATGGGTCCCATGCCATTAACCATGTGCCCGAGAAGCGGCCTGTGCCATTTCGAGGAAGAGAAGTATTGAGGAAGCCATCCCGCAGTTTGAAGACAGGACGGTCAATTCAGAGATACCTCGGAGCCAGGTGGACCCACATCGGCCAACTCCTGATCTGGCCCCATGTGTGGAGGTGAAGCGCTGCACTGGCTGTTGTAAACACCAGCAGCGTCAAGTGCAGCCTTCACGGGTCCACCACCGCAGTGTCAAGGTGGCCAAAGTGGAGTATGTCAGGAAGAAGCCAAAATGAAAAGAGGTCCAGGTGAGGTTAGAGGAACACCTGGAGTGTGCATGTGCGACCTCCAACCTGAACCCAGACCATCGGGAGGAGGACAGATGTGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201931 protein sequence
Red=Cloning site Green=Tags(s)

MRTWACL LLLGCGYLAHALAEEAEIPRELIERLARSQIHSIRD LQRLLEIDSVGAEDALETSLRAHGSHA
INHVPEKRPVPIRRKRSIEEAIPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVKRCTGCCNTSSVKC
QPSRVHHR SVKVAKVEYVRKKPKLKEVQVRL EEHLECACATSNLNPDHREEETDVR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_008808

ORF Size: 591 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_008808.2](#)

RefSeq Size: 1019 bp

RefSeq ORF: 591 bp

Locus ID: 18590

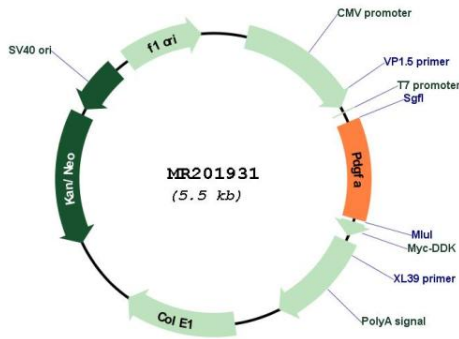
UniProt ID: [P20033](#)

Cytogenetics: 5 77.65 cM

MW: 22.3 kDa

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]

Product images:



Circular map for MR201931