

Product datasheet for **MC206661**

Pdgfb (BC064056) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdgfb (BC064056) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdgfb
Synonyms:	PDGF-B; Sis
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC064056
 GCTTTCTGATCTGGGGTCCGTTCCAGAAAATGTTGCAAAAAGCTAAGCCAGCAGGCAGAGGAACACGC
 CTTTAGCGGGCGAGTGAAGACGAACCATCGGCTGCCGTGTTCTTTTCTCTCTGAGGTTGGAGTCCCCT
 GCGCGCCCCACACGGCTAGACGCCCTGGCTGGTTCGCGACGCAGCCCCAGACTGTGGATGCTCGCGTG
 GGCTCGGATCCGCCAGGTAGCGGCTTTGACCCCGTCCCTTGTCCAGGTCTCCCAGCCCCCAGC
 GACGGAGCCGGGGCCGGGGCGGCGCCCGGGGCCATGCGGGTGAGCCGCGGGCGGCTGCAGCGG
 CCTGATCGCTGATCGCGGGGACCCGAGCGGAGCCACCTCCTCCCAGCCCCAACCTGGCCGCGG
 GGGCGGCGCTCCGTCTACGCGTCCGGGCCCCGCGGGGCCGGCCGAGTCGGCATGAATCGCTGCT
 GGGCGCTTCTCTCTCTGCTGCTACCTGCGTCTGGTCAGCGCCGAGGGGATCCCATTCTGAGGA
 ACTGTATGAAATGCTGAGCGACCACTCCATCCGCTCCTTTGATGATCTTCAGCGCTGCTGCACAGAGAC
 TCCGTAGATGAAGATGGGGCTGAGCTGGACTTGAACATGACCCGAGCACACTCCGGAGTCGAGTTGAAA
 GCTCATCTCGAGGGAGGAGGAGCCTAGGGTCCCTGGCAGCAGCAGAGCCTGCTGTAATCGCCGAGTGAA
 GACGCGCACAGAGGTGTTCCAGATCTCTCGAACCTCATCGATCGCACCAACGCCAATTCTGGTGTGG
 CCGCCCTGTGTGGAGGTGCAGCGCTGCTCCGGTCTGCAATAACCGCAATGTGCAATGCCGGGCTCGC
 AGGTGCAGATGCGGCCGGTCCAGGTGAGAAAGATTGAGATTGTGCGAAAGAAGCCCATCTTCAAGAAGGC
 CACAGTGACCTTGAGAGGACCACCTCGCCTGCAAGTGTGAGACAGTAGTGACCCCTCGGCCTGTGACTAGA
 AGTCTGGGACATCCAGGGAGCAGCGAGCCAAGACGCCTCAAGCTCGGGTGACCATTCGGACGGTGAGAA
 TCCGCCGGCCCCAAAGGCAAGCACCGAAAGTTAAGCACCCCATGACAAGGCGGCCCTGAAGGAGAC
 CCTCGGAGCCTAGGGGCGTCGGCAAGAGTGTGGGCAGGGTTATTTAATATGGTATTTGCTGATTGCCCC
 CATGGGGTCTTTGGAGTGATAATGTTGTTCCCTCGTCCGTCTGTCTCGATGCCTGATTCGGACGGCCAA
 TGGTGTCTCCCTACCCCGTGTGCCCGCCACCTCCACCAGCAGCGATTCTCAGCCCGCCTGCAGCTC
 CAGATGCAAAGGACTCCACTCCAGGCTGCAGGCTTCTTTGACTCCAAGAACCTGGAACAAGTGTGCAGG
 AGCCTTGCCGGGGAGCTGGACTGTGGACTGGCCCCAGAGCCTGGCACTTAGCCGAGGACCTTCGATG
 TCCCTGCCTGGTTCTGGACCACTGGCCAGCCAGCAGGGAACATGTTAGGCAGGCTAGGGTCCCTTGCA
 TCTGTGGCAGGGAGCACAGACTGGAGAACTCTGATGGCACCCAGATCTGCCACGCACTCATCTTTCC
 TGTCCCCTCAGCCACAGTGGCTTTTATTTATAAGACATGAACTCCTCTGGGCAGGTGGCCACACACC
 TTCTCTGATGGATTAGAGGTGCAGTGTGCGTGTGACCTGGGCCGTGCCCTCTTCCACTTCCCCT
 ACGTTCACTTCCGGTTCATTTCTACCTCCACTCTGTGCTTCTTCTCATGTGCCCTCAGTCTGCTC
 CTCCACGGGGTGTTCGGATCCCATTGAGGCCCTGAATGCCCGCCATTCTCCCTAGGGCAGGAGACCTG
 TCTTTATATTCCACTCCAGCCAAGCAGGGTGAAGCAAGTTGTAATGGGATGTATATTGCACATGATGCA
 CTGCGTGTGGAGACTGCTGTTACACCCTAAATATGGCCAACCTGCCTATTATGACGTTCTGGCCAAATG
 AGGTCAAACCTCTGAGGAAAGGGAACCTTGTTTAATTCATACCGAGGCCCTCTGTGGAGTGGCTGTGTG
 GCCCTGGCCCAGCCTGAAGCTCAGAATGAGCCATGGTACTGGGGAAGCAACCCTGTTGTCTGTCCATTG
 CCTCCACTTCTGGGTCTCAGCTGTCCCCTTCTGACAGGTGAGGGGCACTAGGAGACCTCCAAGGGAGG
 AACAGCCCTCGTGCACAGGTGTCCCTCTGATCTTTTTCGGTCTACCCGATGGCTCCTTCAAGGAAGCT
 AGCCAGTAGATTGGAAGTGGGGGAGAGAGGGAGAGCCCTAGAGCCCTGGGAGGACGGATTGACCTGGCC
 CGCCTCCCTTCCACACTTCCCGTCCCGTCCCTTCTGCTTCTTCAAGTTGTAAGTTGGTGATTATA
 TTTTTGGGGCTTCTTTTTATTTTTAAATGTAAGTTTATTTATATCCGATTTAAAGTTGTAAGAAA
 AAAAAAGCCACAAAACAAAAA

- Restriction Sites:** EcoRI-NotI
- ACCN:** BC064056
- Insert Size:** 726 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC064056](#), [AAH64056](#)

RefSeq Size: 2629 bp

RefSeq ORF: 726 bp

Locus ID: 18591

Cytogenetics: 15 37.85 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 proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, and for normal development of kidney glomeruli. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA.[UniProtKB/Swiss-Prot Function]