

Product datasheet for **MC208036**

Pdgfa (NM_008808) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfa (NM_008808) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pdgfa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208036 representing NM_008808
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGACCTGGGCTTGCTGCTCCTCGGCTGCGGATACCTCGCCATGCCCTGGCCGAGGAAGCCG
AGATACCCCGGGAGTTGATCGAGCGGCTGGCTCGAAGTCAGATCCACAGCATCCGGGACCTCCAGCGACT
CTTGGAGATAGACTCCGTAGGGGCTGAGGATGCCTTGAGACAAGCCTGAGAGCCCATGGTCCCATGCC
ATTAACCATGTGCCCGAGAAGCGCCTGTGCCATTTCGAGGAAGAGAAGTATTGAGGAAGCCATTCCCG
CAGTTTGAAGACCAGGACGGTCATTTACGAGATACCTCGGAGCCAGGTGGACCCACATCGGCCAACTT
CCTGATCTGGCCCCATGTGTGGAGGTGAAGCGCTGCACTGGCTGTTGTAAACACCAGCAGCGTCAAGTGC
CAGCCTTCACGGGTCCACCACCGCAGTGTCAAGGTGGCCAAAGTGGAGTATGTCAGGAAGAAGCCAAAAT
TGAAAGAGGTCCAGGTGAGGTTAGAGGAACACCTGGAGTGTGCATGTGCGACCTCCAACCTGAACCCAGA
CCATCGGGAGGAGGACAGATGTGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2287_f11.zip
Restriction Sites: Sgfl-Mlul
ACCN: NM_008808
Insert Size: 591 bp



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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:	<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_008808.3</u> , <u>NP_032834.1</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]