

Product datasheet for MR205185

Pdgfc (NM_019971) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfc (NM_019971) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdgfc
Synonyms: 1110064L01Rik; AI647969; PDGF-C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR205185 representing NM_019971
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCTCCTCGGCCTCCTCCTGCTGACATCTGCCCTGGCCGGCCAAAGAACGGGGACTCGGGCTGAGT
 CCAACCTGAGCAGCAAGTTGCAGCTCTCCAGCGACAAGGAACAGAACGGAGTGCAAGATCCCCGGCATGA
 GAGAGTTGTCACATATCTGGTAATGGGAGCATCCACAGCCGAAGTTTCTCATACATACCAAGAAAT
 ATGGTGTGGTGTGGAGATTAGTTGCAGTAGATGAAAATGTGCGGATCCAGCTGACATTTGATGAGAGAT
 TTGGGCTGGAAGATCCAGAAGACGATATATGCAAGTATGATTTTGTAGAAGTTGAGGAGCCAGTGATGG
 AAGTGTTTTAGGACGCTGGTGTGGTTCTGGGACTGTGCCAGGAAAGCAGACTTCTAAAGGAAATCATATC
 AGGATAAGATTTGTATCTGATGAGTATTTCCATCTGAACCCGGATTCTGCATCCACTACAGTATTATCA
 TGCCACAAGTCACAGAAACCACGAGTCCTTCGGTGTGGCCCTTCATCTTTGTCATTGGACCTGCTCAA
 CAATGCTGTGACTGCCTTCAGTACCTTGAAGAGCTGATTCGGTACCTAGAGCCAGATCGATGCCAGGTG
 GACTTGGACAGCCTCTACAAGCCAACATGGCAGCTTTTGGCAAGGCTTTCTGTATGGGAAAAAAGCA
 AAGTGGTGAATCTGAATCTCCTCAAGGAAGAGGTAACACTCTACAGCTGCACACCCCGGAAGTTCTCAGT
 GTCCATACGGGAAGAGCTAAAGAGGACAGATACCATATTCTGGCCAGGTTGTCTCCTGGTCAAGCGCTGT
 GGAGGAAATTGTGCTGTTGTCTCCATAATTGCAATGAATGTCAGTGTGCCACGTAAGTTACAAAAA
 AGTACCATGAGGTCCTTCAGTTGAGACCAAAAACTGGAGTCAAGGGATTGCATAAGTCACTCACTGATGT
 GGCTCTGGAACACCACGAGGAATGTGACTGTGTGTGTAGAGGAAACGCAGGAGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205185 representing NM_019971
Red=Cloning site Green=Tags(s)

MLLLGLLLLT SALAGQRTGTRAESNLSSKLQLSSDKEQNGVQDPRHERVVTISGNGSIHSPKFPHTYPRN
 MVLVWRLVAVDENVRIQLTFDERFGLDPEDDICKYDFVEVEEPSDGSVLGRWCGSGTVP GKQTSKGNHI
 RIRFVSDEYFPSEPGFCIHYSIIMPQVTETTPSVLPSSLSLDDLNNAVTAFSTLEELIRYLEPDRWQV
 DLDSLKYPTWQLLGKAFLYGKSKVNNLLKKEEVKLYSCTPRNFSVSI REELKRTDTIFWPGCLLVKRC
 GGNACCLHNCNECQCVP RKVTKKYHEVLQLRPKTGVKGLHKSLTDVALEHHEECDCVCRGNAGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019971

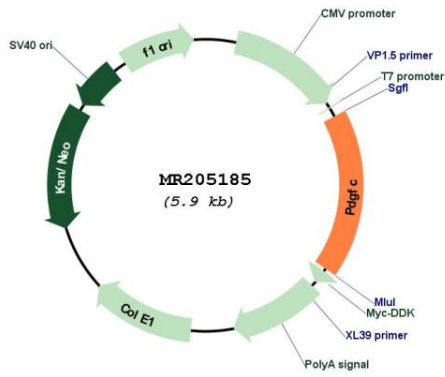
ORF Size: 1035 bp

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_019971.3
RefSeq Size:	3512 bp
RefSeq ORF:	1038 bp
Locus ID:	54635
UniProt ID:	Q8CI19
Cytogenetics:	3 E3
MW:	39.2 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 and chemoattractant for cells of mesenchymal origin. Required for normal skeleton formation during embryonic development, especially for normal development of the craniofacial skeleton and for normal development of the palate. Required for normal skin morphogenesis during embryonic development. Plays an important role in wound healing, where it appears to be involved in three stages: inflammation, proliferation and remodeling. Plays an important role in angiogenesis and blood vessel development. Involved in fibrotic processes, in which transformation of interstitial fibroblasts into myofibroblasts plus collagen deposition occurs. The CUB domain has mitogenic activity in coronary artery smooth muscle cells, suggesting a role beyond the maintenance of the latency of the PDGF domain. In the nucleus, PDGF α C seems to have additional function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205185