

Product datasheet for **RR209673**

Pdgfc (NM_031317) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfc (NM_031317) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdgfc
Synonyms: SCDGF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209673 representing NM_031317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCCTCCTCGGCCTCCTCCTGCTGACATCTGCCCTGGCCGGCCAGAGAACCAGGACTCGGGCTGAGT
CCAACCTGAGCAGCAAGTTGCAGCTCTCCAGCGACAAGGAGCAGAACGGAGTGCAAGATCCCCGGCATGA
GAGAGTTGCTCACTATATCTGGTAATGGGAGCATCCACAGCCCGAAGTTTCCTCATACCTACCAAGAAAT
ACGGTGCCTGGTCTGGAGATTAGTGGCAGTAGATGAAAATGTGCGGATCCAGCTGACATTTGATGAGAGAT
TTGGGCTGGAAGACCCAGAGGACGATCTATGCAAGTATGATTTTGTAGAAGTTGAGGAGCCAGTATGG
AAGTGTATTAGGACGCTGGTGTGGTTCTGGGACTGTGCCAGGAAAGCAGACTTCTAAAGGAAATCATATC
AGGATAAGATTTGTATCTGATGAGTATTTCCCATCTGAACCCGGATTCTGCATCCACTACAGTATTATCA
TGCCACAAGTCACAGAACTACGAGTCCCTCAGTGTGGCCCTTCAGCTTTGTCATTGGACCTGCTCAA
TAATGCTGTGACTGCCTTCAGTACTGTGGAAGAGCTGATTCGGTTCCTAGAGCCAGATCGATGGCAGATA
GACTTGGACAGCCTCTACAAGCCAACATGGCCGCTTTGGGCAAAGCTTTCCTGTATGGGAAAAAAGCA
AAGCGGTGAATCTGAACCTTCTCAAAGAAGAGGTAAAACTTTACAGCTGCACACCCGGAACCTTCTGT
GTCCATACGGGAAGAGCTAAAGAGGACAGACCATATTCTGGCCAGTTGTCTCCTGGTCAAGCGCTGT
GGAGGAAATTGTGCTGTTCCTCCATAATTGCAATGAATGTCAGTGTGTCCCACGTAAGTTACAAAAA
AGTACCATGAGGTCCTTCAGTTGAGACAAAAATTGGAGTCAAGGGATTGCATAAGTCGCTCACCGATGT
GGCCCTGGAACACCATGAGGAATGTGACTGTGTGTGTAGAGGAAACACAGAAGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209673 representing NM_031317
Red=Cloning site Green=Tags(s)

MLLLGLLLLSALAGQRTGTRAESNLSSKLQLSSDKEQNGVQDPRHERVVTISGNGSIHSPKFPHTYPRN
 TVLWVRLVAVDENVRIQLTFDERFGLDPEDDLCKYDFVEVEEPSDGSVLGRWCGSGTVPKGQTSKGNHI
 RIRFVSDEYFPSEPGFCIHYSIIMPQVTETTPSVLPPSALSLLNNAVTAFSTVEELIRFLEPDRWQI
 DLDSLKPTWPLLGKAFLYGGKSKAVNLLKKEEVKLYSCTPRNFSVSIREEELKRTDTIFWPGCLLVKRC
 GGNCACCLHNCNECQCVPKRVTKKYHEVLQLRPKIGVKGLHKSLTDVALEHHEECDCVCRNGTEG

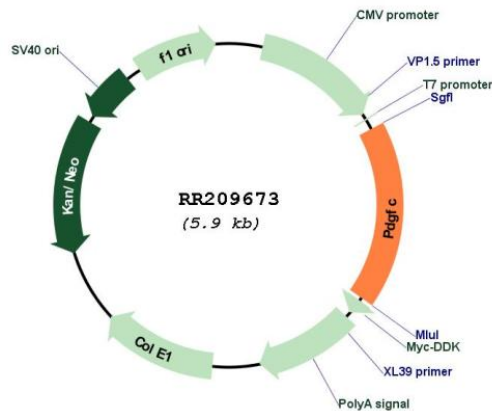
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031317

ORF Size: 1035 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:	NM_031317.1 , NP_112607.1
RefSeq Size:	1116 bp
RefSeq ORF:	1038 bp
Locus ID:	79429
UniProt ID:	Q9EQX6
Cytogenetics:	2q33-q34
MW:	38.7 kDa
Gene Summary:	expressed in the embryonic spinal cord floor plate and ventricular zone, adult expression is localized to motoneurons in several regions of the brain [RGD, Feb 2006]