

## Product datasheet for **RR207740**

### Pdgfa (NM\_012801) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pdgfa (NM\_012801) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pdgfa  
**Synonyms:** PDGFACP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207740 representing NM\_012801  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGACCTGGGCTTGCTGCTCCTCGGCTGCGGATACCTCGCCATGCCCTGGCCGAGGAAGCCG  
 AGATACCCGGGAGTTGATCGAGCGACTGGCTCGAAGTCAGATCCACAGCATCCGGGACCTCCAGCGACT  
 CTTGGAGATAGACTCCGTAGGGGCTGAGGATGCCTTGGAGACAAACCTGAGAGCCATGGGTCCCACACT  
 GTTAAGCATGTGCCGGAGAAGCGCCTGTGCCATTTCGCAGGAAGAGAAGTATTGAGGAAGCCATCCCG  
 CAGTTTGAAGACCAGGACGGTCATTTACGAGATACCTCGGAGCCAGGTGGACCCACATCGGCCAACTT  
 CTTGACCTGGCCCCATGTGTGGAGGTGAAGCGCTGCACTGGCTGCTGTAAACACCAGCAGCGTCAAGTGC  
 CAGCCCTCAAGGGTCCACCACCGCAGTGTCAAGGTGGCCAAAGTGGAGTATGTCAGGAAGAAGCCAAAAT  
 TGAAAGAGGTCCAGGTGAGGTTAGAGGAGCACCTGGAGTGCGCATGCGCGACCTCCAACCTGAACCCAGA  
 CCATCGGGAGGAGGACGGATGTGAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207740 representing NM\_012801  
 Red=Cloning site Green=Tags(s)

MRTWACL LLLGCGYLAHALAEEAEIPRELIERLARSQIHSIRD LQRLL EIDSVGAEDALETNLRAGHSHT  
 VKHVPEKRPVPIRRKRSIEEAIPAVCKTRTVIYEIPRSQVDPTSANFLTWPPCVEVKRCTGCCNTSSVKC  
 QPSRVHHR SVKVAKVEYVRKKPKLKEVQRLEEHL ECACATSNLNPDHREEETDVR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

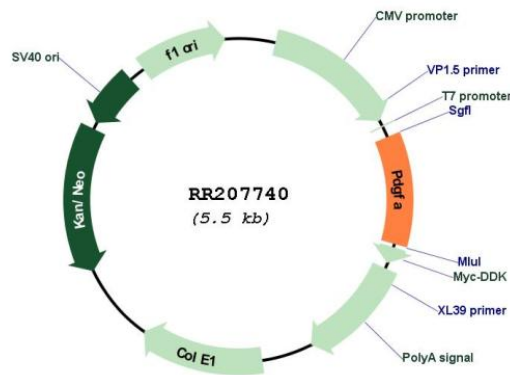
**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012801

**ORF Size:** 588 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\\_012801.1](#), [NP\\_036933.1](#)

**RefSeq Size:** 1336 bp

**RefSeq ORF:** 591 bp

**Locus ID:** 25266

**UniProt ID:** [P28576](#)

**Cytogenetics:** 12q11

**MW:** 22.3 kDa

**Gene Summary:** alpha chain of platelet derived growth factor; acts as a homodimer or heterodimer with PDGF beta to activate PDGF receptors [RGD, Feb 2006]