

## Product datasheet for **RR208331**

### **Pdgfb (NM\_031524) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Pdgfb (NM\_031524) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Pdgfb  
Synonyms: c-sis; SIS  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR208331 representing NM\_031524  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAATCGCTGCTGGGCGCTCTCCTGCCTCTCTGCTGCTACCTGCGTCTGGTCAGCGCTGAGGGGATC  
CCATTCCTGAGGAACTCTATGAAATGCTGAGTGACCACTCCATCCGCTCCTTTGATGACCTTCAGCGCT  
GCTGCACAGAGACTCCGTAGACGAAGATGGGGCTGAGCTGGACTTGAACATGACCCGAGCACATTCTGGA  
GTCGAGTCGAAAAGCTCATCTCGAGGGAGGAGGAGCCTAGGGTCTCTGGCTGCAGCAGAGCCTGCCGTAA  
TCGCCGAGTGCAAGACGCGTACAGAGGTGTTCCAGATCTCGCGGAACCTCATCGATCGCACCAATGCCAA  
CTTCCTGGTGTGGCCGCCTGCGTGGAGGTGCAGCGCTGCTCGGGCTGCTGCAATAACCGCAATGTGCAG  
TGCCGGCCCTCGCAGGTGCAGATGCGGCCGGTGCAGGTGAGAAAGATCGAAATTGTGAGAAAGAAGCCAG  
TCTTCAAGAAGGCCACAGTGACCCTGGAGGACCATCTGGCCTGCAAGTGTGAGACAGTAGTGACCCTCG  
GCCCCTGACTCGAAGTCTGGGACATCCAGGGAGCATCGAGCCAAGACACCTCAAACCTCGGGTGACCGTT  
CGGACGGTGCGAATCCGCCGGCCCCCAAGGGAAGCACCGAAAGTTAAGCACACCCATGACAAGAAGG  
CACTGAAGGAGATCCTTGAGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTAA



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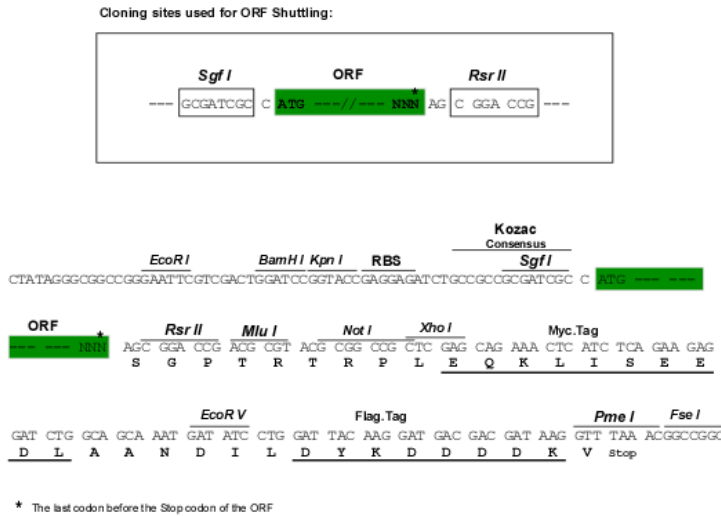
**Protein Sequence:** >RR208331 representing NM\_031524  
Red=Cloning site Green=Tags(s)

MNRCWALFLPLCCYLRLVSAEGDPIPEELYEMLSDHISIRSFDDLQRLLRDSVDEDGAELDLNMTRAHSG  
 VESESSRGRSLGSLAAAEPAVIAECKTRTEVFQISRNLIDRTNANFLVWPPCEVQRCSCGCCNNRVQ  
 CRASQVQMRPVQVRKIEIVRKKPVFKATVTTLEDHLACKCETVTPRPVTRSPGTSREHRAKTPQTRVTV  
 RTVRIIRPPKGGKHKFKHDKKALKEILGA

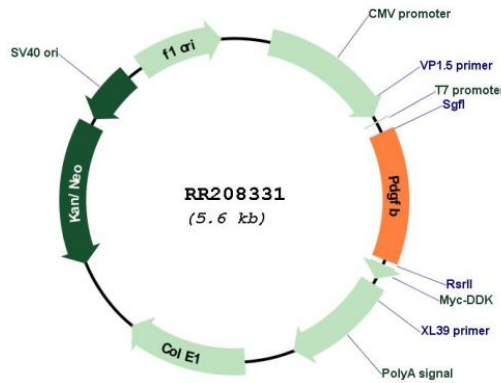
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_031524

**ORF Size:** 723 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031524.1</a> , <a href="#">NP_113712.1</a>
<b>RefSeq Size:</b>	1723 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	24628
<b>UniProt ID:</b>	<a href="#">Q05028</a>
<b>Cytogenetics:</b>	7q34
<b>MW:</b>	27.4 kDa
<b>Gene Summary:</b>	may play a role in carotid artery smooth muscle cell proliferation and neointimal formation in response to balloon catheter injury [RGD, Feb 2006]