

Product datasheet for RR211273

Pdgfrb (NM_031525) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdgfrb (NM_031525) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdgfrb
Synonyms:	PDGFR-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211273 representing NM_031525 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTTCAGAGGTGATGCCAGCTCAGTCCTCAGAGGCAATTGTTGCTGTTGCTGCTATTGCTCC
TGGACCACAGATCTCCAAGGCCTAGTCATCACGCCCTGGGCCAGAGTTCGCTCAACATTTGAG
CACCTTTGTTCTGACATGCTCAAGTTCAGTCCAGTGATGTGGAAACAGATGTCCAGGTGCCCTGGCAA
GAAGCAGCCATGAACCAGGATGGCACCTTCTCCAGTGTGCTGACACTGACTAATGTCACTGGGGGAGACA
CCGGAGAATACTTTGTGTCTACAACAACCTCACTGGGGCCAGAGCTCAGTGAGCGGAAGCGCATCTATAT
CTTTGTGCCAGATCCCACCATGGGCTTCTCCCGATGGACTCTGAGGACCTATTCATTTTTGTCACGGAT
GTCAGTGAAGACGAGATTCCATGCCGAGTGACAGACCCCGAGTGGAGGTGACGCTGCATGAGAAGAAAG
TGGATATCCCCCTACATGTACCCATGACCACCAGCGAGGTTTCATTGGTACTTTTGAGGACAAGACTTA
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TCATCCATCAATGTCTGTGAATGCAGTGCAGACTGTGGTCCGCCAGGGCGAGAGCATCACCATCAGGT
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GCAGAGATTCACAAGAGGTCACCGTGGTACCACACTCCTTGCCTTCAAAGTGGTGGTATCTCAGCCAT
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 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RR211273 representing NM_031525
 Red=Cloning site Green=Tags(s)

MGLPEVMPASVLRGQLLLFVLLLLGPQISQGLVITPPGPEFVNLISSTFVLTCSASPVMWEQMSQVPWQ
 EAAMNQDGTSSVLTNTVTGGDTGEYFCVYNNSLGPELSEKRIYIFVPDPTMGFLPMDEDLFIFVTD
 VTETTIPCRVTDLPQLEVLHEKKVDIPLHVPYDHQRGFIGTFEDKTYICKTTIGDREVDSDTYVYVSLQV
 SSINVSVNAVQTVVRQGESITIRCIVMGNDVNFQWYTPRMKSGRLVEPVTDYLFVGPVSRIGSILHIPTA
 ELSDSGTYTCNVSYSVNDHGDEKAINVTVIENGVVRLLETLEDVQIAELHRSRTLQVVFAYPTPSVLWF
 KDNRTLGDSSAGELVLSTRNVSETRYVSELTLLVRVKVSEAGYYTMRAFHADDQVLSFKLQVNPVVRVLE
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 VSTLRLRHVDQPLSVRCMLQNSMGRDSQEVTVVPHSLPFKVVVISAILALVVLTVISLIIILMLWQRKPR
 YEIRWKVIESVSSDGHEIYVDPVQLPYDSTWELPRDQLVLGRTLGSAGFQVVEATAHGLSHSQATMKV
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 QRHSNKHCPPSTELYSNALPVGLSLPSHLNLTGESDGGYMDMSKDESVDYVPMMLDMKGHIKYADISSSY
 MAPYDNYVPSAPERTYRATLINDSPVLSYDLYVGFVSYQVANGMEFLASKNCVHRDLAARNVLICEGKLVK
 ICDFGLARDIMRDSNYISKGSTFLPLKWMAPESIFNSLYTTLSDVWSFGILLWEIFTLGGTYPPELPMND
 QFYNAIKRGYRMAQPAHASDEIYEIMQKWEKFEFTRPPFSQLVLLLERLLGEGYKKYQQVDEEFLRSD
 HPAILRSQARLPGLHSLRSLDTSVLYTAVQPNETDNDYIIPLPDKPDAADEGLLEGSPSLASSTLNE
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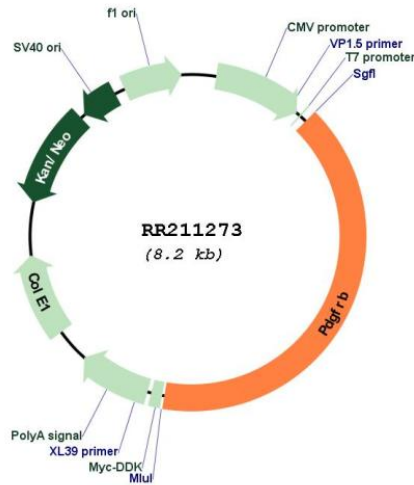
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031525

ORF Size: 3291 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:	<u>NM_031525.1</u> , <u>NP_113713.1</u>
RefSeq Size:	5403 bp
RefSeq ORF:	3294 bp
Locus ID:	24629
UniProt ID:	<u>Q05030</u>
Cytogenetics:	18q12.1
MW:	122.8 kDa
Gene Summary:	binds platelet derived growth factor BB homodimer [RGD, Feb 2006]