

Product datasheet for **SC217067**

PDGF Receptor beta (PDGFRB) (NM_002609) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PDGF Receptor beta (PDGFRB) (NM_002609) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDGFRB
Synonyms:	CD140B; IBGC4; IMF1; JTK12; KOGS; PDGFR; PDGFR-1; PDGFR1; PENTT
ACCN:	NM_002609
Insert Size:	1954 bp



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Insert Sequence: >SC217067 3'UTR clone of NM_002609
The sequence shown below is from the reference sequence of NM_002609. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGGCGGAAGCAGAGGATAGCTTCTGTAGGGGGCTGGCCCTACCTGCCTGCCTGAAGCTCCCCC
CTGCCAGCACCCAGCATCTCCTGGCCTGGCCTGACCGGGCTTCTGTGAGCCAGGCTGCCCTTATCAGC
TGTCCCCTTCTGGAAGCTTCTGCTCCTGACGTGTTGTGCCCCAAACCCTGGGGCTGGCTTAGGAGGCA
AGAAAAGTGCAGGGGCGGTGACCAGCCCTGCCTCCAGGGAGGCCAACTGACTCTGAGCCAGGGTTCC
CCCAGGAACTCAGTTTTCCCATATGTAATGGGAAAGTTAGGCTTGATGACCCAGAATCTAGGATTC
TCTCCCTGGCTGACAGGTGGGAGACCGAATCCCTCCCTGGGAAGATTCTGGAGTTACTGAGGTGGTA
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CCCAGGAGCTAGGGAAGAGACCCTAGCCTCCCTGGCTGCTGGCTGAGCTAGGGCCTAGCCTTGAGCAGT
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GGTCTGGGGCCATTAGGCAGCCTAATTAATGCTGGAGGCTGAGCCAAGTACAGGACACCCCCAGCCTGC
AGCCCTTGCCAGGGCACTTGGAGCACACGCAGCCATAGCAAGTGCCTGTGTCCCTGTCCCTCAGGCC
ATCAGTCTGGGGCTTTTTCTTTATCACCTCAGTCTTAATCCATCCACCAGAGTCTAGAAGGCCAGAC
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TCCCTTCAAAAAATGAATAAGTCGGACTTATTAACCTGAGTGCCTTGCCAGCACTAACATTCTAGAG
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CCGGGGGTATCCTGGGCAAAAGGGACAAAGAGGGCAAATGAGATCACCTCCTGCAGCCACCCTCCAG
CACCTGTGCCGAGGTCTGCGTCGAAGACAGAATGGACAGTGAAGGACAGTTATGTCTTGTAAAAGACAAG
AAGCTTCAGATGGGTACCCCAAGAAGGATGTGAGAGGTGGGCGCTTTGGAGGTTTGGCCCTACCCACC
AGTGCCCATCCCTGAGGCAGCGCTCCATGGGGTATGGTTTTGCTCACTGCCAGACCTAGCAGTGAC
ATCTATTGTCCCAGCCAGTGGGCATTGGAGGTGCCAGGGAGTCAGGTTGTAGCCAAGACGCCCC
CGCACGGGAGGGTTGGGAAGGGGTGCAGGAAGCTCAACCCCTCTGGGACCAACCTGCATTGCAGG
TTGGCACCTTACTTCCCTGGGATCCCCAGAGTTGGTCCAAGGAGGGAGAGTGGGTTCTCAATACGGTAC
CAAAGATATAATCACCTAGGTTTACAAATATTTTAGGACTCACGTTAACTCACATTTATACAGCAGAA
ATGCTATTTTGTATGCTGTTGAGTTTTTCTATCTGTGACTTTTTTTTAAAGGAAAGATTTAATATTA
AACCTGGTGCTTCTCACTACA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002609.4](#)

Summary:

The protein encoded by this gene is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer (PDGFB or PDGFD) or a heterodimer (PDGFA and PDGFB). This gene is essential for normal development of the cardiovascular system and aids in rearrangement of the actin cytoskeleton. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the ETV6 gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq, Aug 2017]

Locus ID:

5159

MW:

70.1