

## Recombinant Human PDGFRB Protein, DDK-tagged

**Cat. No.** PDGFRB-149H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PDGFRB(Met-Leu33-Val532) fused with DDK tag at C-terminal was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met-Leu33-Val532
<b>Description</b>	This gene encodes 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 or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. 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 translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.
<b>Form</b>	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
<b>Molecular Mass</b>	56.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** PDGFRB platelet-derived growth factor receptor, beta polypeptide [ Homo sapiens ]

**Official Symbol** PDGFRB

**Synonyms** PDGFRB; platelet-derived growth factor receptor, beta polypeptide; PDGFR; platelet-derived growth factor receptor beta; CD140b; JTK12; PDGFR1; PDGFR-beta; PDGFR-beta; CD140 antigen-like family member B; platelet-derived growth factor receptor 1; beta-type platelet-derived growth factor receptor; CD140B; PDGFR-1;

**Gene ID** 5159

**mRNA Refseq** NM\_002609

**Protein Refseq** NP\_002600

**MIM** 173410

**UniProt ID** P09619

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