

## Recombinant Human PDGFRB Protein, His-tagged

**Cat. No.** PDGFRB-150H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PDGFRB fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH 7.2
<b>Molecular Mass</b>	57.17kD
<b>AA Sequence</b>	LVVTPPGPELVLNVSSTFVLTCSGSAPVWVERMSQEPPQEMAKAQDGTFFSSVLTLLT NLTGLDTGEYFCTHNSRGLTDERKRLYIFVPDPTVGFLPNDAEELFIFLITEITEITIP CRVTDPQLVVTLHEKKGDVALPVPYDHQRGFFGIFEDRSYICKTTIGDREVDSDAYY

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VYRLQVSSINVSVNAVQTVVRQGENITLMCIVIGNEVVNFEWYPRKESGRLVEPVT  
 DFLLDMPYHIRSILHIPSAAELEDSTYTCNVTESVNDHQDEKAINITVVESGYVRLLE  
 VGTLQFAELHRSRTLQVVFEAYPPPTVLWFKDNRTLGDSSAGEIALSTRNVSETRYV  
 SELTLVRVKVAEAGHYTMRAFHEDAQVLSFQLQINVPVRVLESESHPDSSGEQTV  
 RCRGRGMPQPNIWSACRDLKRCPRELPPTLLGNSSEEEESQLETNVTYWEEEQEFE  
 VVSTLRLQHVDRLSVRCTLRNAVGGQDTQEVIVVPHSLPFVDHHHHHHH

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## 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; PDGF-R-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](#)

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**Protein Refseq** NP\_002600

**MIM** 173410

**UniProt ID** P09619

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