

Recombinant Human PDGFRB Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PDGFRB fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH 7.2
Molecular Mass	57.17kD
AA Sequence	LVTTPPGPELVNLVSSTFVLTCSGSAPVWVERMSQEPPQEMAKAQDGTFFSSVLTLT NLTGLDTGEYFCTHNSRGLTDERKRLYIFVPDPTVGFLPNDAEELFIFLTEITEITIP CRVTDPQLVVTLEKKGDVALPVPYDHQRGFFGIFEDRSYICKTTIGDREVDSDAYY

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VYRLQVSSINVSNAVQTVVRQGENITLMCIVIGNEVVNFEWYPRKESGRLVEPVT
DFLDMPYHIRSILHIPSAELEDSTYTCNVTESVNDHQDEKAINITVVESGYVRLIGE
VGTLQFAELHRSRTLQVVFEAYPPPTVLWFKDNRTLGDSSAGEIALSTRNVSETRYV
SELTIVRVKVAEAGHYTMRAFHEDA EVQLSFQLQINVPVRVLELSESHPDSGEQTV
RCRGRGMPQPNIWSACRDLKRCPRELPPTLLGNSSEEEESQLETNVTYWEEEQEFE
VVSTLRLQHVDRLSVRCTLRNAVGQDTQEIVVPHSLPFVDHHHHHH

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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