



[Go to Product page](#)

Datasheet for ABIN1097305
PDGFRB Protein (AA 33-530) (His tag)

Overview

Quantity:	50 µg
Target:	PDGFRB
Protein Characteristics:	AA 33-530
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFRB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Platelet-Derived Growth Factor Receptor β /PDGFR- β (C-6His)
Sequence:	<p>LVVTPPGPEL VLNVSSTFVL TCSGSAPVWV ERMSQEPPE MAKAQDGTFS SVLTLTNLTG</p> <p>LDTGEYFCTH NDSRGLETDE RKRLYIFVPD PTVGFLPNDA EELFIFLTEI TEITIPCRVT</p> <p>DPQLVVTLHE KKGDVALPVP YDHQRGFFGI FEDRSYICKT TIGDREVDSD AYYVYRLQVS</p> <p>SINVSVNAVQ TVVRQGENIT LMCIVIGNEV VNFETYPRK ESGRLVEPVT DFLLDMPYHI</p> <p>RSILHIPSAE LEDSGTYTCN VTESVNDHQD EKAINITVVE SGYVRLLEGEV GTLQFAELHR</p> <p>SRTLQVFEA YPPPTVLWFK DNRTLGDSSA GEIALSTRNV SETRYVSELT LVRVKVAEAG</p> <p>HYTMRAFHEA AEVQLSFQLQ INVPVRVLEL SESHPSDGEQ TVRCRGRGMP QPNIIWSACR</p> <p>DLKRCPRELP PTLGNSSEE ESQLENTVY WEEEQEFEV STLRLQHVDR PLSVRCTLRN</p> <p>AVGQDTQEVI VPHSLPFVD HHHHHH</p>
Characteristics:	Recombinant Human Platelet-Derived Growth Factor Receptor beta/PDGFR-beta produced by transfected human cells is a secreted protein with sequence (Leu33-Phe530) of human PDGFRB fused with a polyhistidine tag at the C-terminus.

Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PDGFRB
Alternative Name:	pdgf-r-beta (PDGFRB Products)
Sub Type:	Fusionprotein
Background:	<p>Platelet-Derived Growth Factor Receptor beta (PDGFR-beta) is a member of the protein kinase superfamily and CSF-1/PDGF receptor subfamily. The PDGF family consists of PDGF-A, -B, -C and -D, which form either homo- or heterodimers (PDGF-AA, -AB, -BB, -CC, -DD). The four PDGFs are inactive in their monomeric forms. The PDGFs bind to the protein tyrosine kinase receptors PDGF receptor-alpha and -beta. These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely -alphaalpha, -betabeta and -alphabeta. The extracellular region of the PDGF receptor-beta consists of five immunoglobulin-like domains while the intracellular part is a tyrosine kinase domain. In addition to being a potent mitogen for cells of mesenchymal origin, PDGF has also been shown to be a potent chemoattractant for mesenchymal cells, mononuclear cells, and neutrophils and has been reported to be important in the modification of cellular matrix constituents.</p> <p>Alternative Names: Platelet-Derived Growth Factor Receptor Beta, PDGF-R-Beta, PDGFR-Beta, Beta Platelet-Derived Growth Factor Receptor, Beta-Type Platelet-Derived Growth Factor Receptor, CD140 Antigen-Like Family Member B, Platelet-Derived Growth Factor Receptor 1, PDGFR-1,</p>
Molecular Weight:	57.17 kDa
UniProt:	P09619
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Inositol Metabolic Process , Glycosaminoglycan Metabolic Process , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months