

PDGFRB (Human) Recombinant Protein

Catalog # P9018

Size 2 x 10 ug

Specification

Product Description	Human PDGFRB (P09619, 33 a.a. - 532 a.a.) partial-length recombinant protein with His tag at C-Terminus expressed in <i>Baculovirus</i> .
Sequence	LVVTPPGPELVLVNSSTFVLTCGSAPVWVERMSQEPPQEMAKAQDGTFSVLTLNLTGLDTG EYFCTHNDSRGLETDERKRLYIFVPDPTVGFLPNDAEELFIFLTEITEITIPCRVTDQQLVVTLEHKKG DVALPVPYDHQRGFSGIFEDRSYICKTTIGDREVDSDAYVYRLQVSSINVSNAVQTVVRQGENIT LMCIVIGNEVVNFEWTPRKESGRLVEPVTDFLLDMPYHIRSILHPSAELEDSGTYTCNVTESVND HQDEKAINITVVESGYVRLLEGEVGTQLQFAELHRSRTLQVVFAYPPPTVLWFKDNRTLGDSSAGEI ALSTRNVSETRYVSELTLVRVKVAEAGHYTMRAFHEDAEVQLSFQLQINVPVRVLELSESHPDGSG EQTVRCRGRGMPQPNIWSACRDLKRCPRELPPTLLGNSSEEEESQLETNVTYWEEEEEQEFVST LRLQHVDRLPSVRCTLRNAVGGDTQEVVVPHSLPFFKVLPEPKSCDKTHTCPPCPAPPELLGGPSV FLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVS VLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLV KGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQSVMHEAL HNHYTQKSLSLSPGKHHHHHH.
Host	Nicotiana benthamiana
Theoretical MW (kDa)	83.3
Form	Liquid
Preparation Method	<i>Baculovirus</i> expression system
Purity	> 90% by SDS PAGE
Storage Buffer	Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — PDGFRB

Entrez GeneID [5159](#)

Protein Accession# [P09619](#)

Gene Name PDGFRB

Gene Alias CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1

Gene Description platelet-derived growth factor receptor, beta polypeptide

Omim ID [131440 173410](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

beta platelet-derived growth factor receptor|platelet-derived growth factor receptor beta|soluble PDGFRb variant 1

Pathway

- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)

- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Subdural Effusion](#)