

PDGFRB (Human) Recombinant Protein

Catalog # P9407

Size 2 x 10 ug

Specification

Product Description Human PDGFRB (P09619, 33 a.a. - 532 a.a.) partial recombinant protein with hlgG-His tag at C-terminus expressed in Sf9 cells.

Sequence LVVTPPGPELVNLVSSTFVLTCSGSAPVWVERMSQEPPQEMAKAQDGTFSVLTLNLTGLDTG
EYFCTHNDSRGLETDERKRLYIFVPDPTVGFLPNDAEELFIFLTEITEITIPCRVTD PQLVVTLHEKKG
DVALPVPYDHQRGFSGIFEDRSYICKTTIGDREVDSDAYVYRLQVSSINVSNAVQTVVRQGENIT
LMCIVIGNEVVNFEWYTPRKESGRLVEPVTDFLLDMPYHIRSILHIPS AELEDSGTYTCNVTESVND
HQDEKAINITVVESGYVRLGEGVTLQFAELHRSRTLQVVFEAYPPPTVLWFKDNRTLGDSSAGEI
ALSTRNVSETRYVSELTLVRVKVAEAGHYTMRAFHEDA EVQLSFQLQINVPVRVLELSESHPSG
EQTVRCRGRGMPQPNIWSACRDLKRCPRELPPTLLGNSSEEEESQLETNVTYWEEEQEFVST
LRLQHVD RPLSVRCTLRNAVGQDTQEVMVPHSLP FKVLEPKSCDKTHTCPPCPAPELLGGPSV
FLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVS
VLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLV
KGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEAL
HNHYTQKSLSLSPGKHHHHHH

Host insect

Theoretical MW (kDa) 83.3

Form Liquid

Preparation Method Sf9 cell expression system

Purity > 90.0% by SDS-PAGE

Recommend Usage Biological Activity
SDS-PAGE
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS pH 7.4 (10% glycerol)

Storage Instruction Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

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](#)