

Product information

PDGFRB, 33-532aa

Human, hlgG-His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3721

Full name: Platelet-derived growth factor receptor beta

NCBI Accession No.: NP_002600

Synonyms: PDGFRB, CD140B, IBGC4, IMF1, JTK12, KOGS, PDGFR, PDGFR-1, PDGFR1, PENTT

Description: PDGFRB, also known as platelet-derived growth factor receptor beta, is a member of the class III subfamily of receptor tyrosine kinases (RTK) that also includes the receptors for M-CSF, SCF and Flt3-ligand. It plays an essential role in blood vessel development by promoting proliferation, migration and recruitment of pericytes and smooth muscle cells to endothelial cells. It promotes rearrangement of the actin cytoskeleton and the formation of membrane ruffles. It phosphorylates PLCG1, PIK3R1, PTPN11, RASA1/GAP, CBL, SHC1 and NCK1. Recombinant human PDGFRB, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 83.3kDa (739aa)

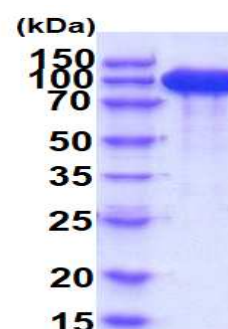
100-150kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Leu33

Purity: > 90% by SDS - PAGE.

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

LVVTPPGPEL VLVNSSTFVL TCSGSAPVWV ERMSQEPPQE MAKAQDGTFS SVLTLTNLTG LDTGEYFCTH NDSRGLETDE RKRLYIFVPD
PTVGFLPND A EELFIFL TEI TEITIPCRVT DPQLVVTLHE KKGVALPVP YDHQRGFSGI FEDRSYICKT TIGDREVDSD AYYVYRLQVS
SINVSVNAVQ TVVRQGENIT LMCIVIGNEV VNFETYPRK ESGRLVEPVT DFLDMPYHI RSILHPSAE LEDSGTYTCN VTESVNDHQD
EKAINITVVE SGYVRLLEGEV GTLQFAELHR SRTLQVVFEA YPPPTVLWFK DNRTLGDSSA GEIALSTRNV SETRYVSELT LVRVKVAEAG
HYTMRAFHEA AEVQLSFQLQ INVPVRVLEL SESHPSDGEQ TVRCRGRGMP QPNI IWSACR DLKRCPRELP PTLGNSSEE ESQLENTVY
WEEQEFEV STLRQLQHVDR PLSVRCTLRN AVGQDTQEV VVPHSLPFKV LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS
RTPEVTCVVV DVSHEDPEVK FNVYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR
EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSGSGF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN
HYTQKSLSL S PGKHHHHHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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Product information

General references:

Kelly JD., et al. (1991) J Biol Chem. 266:8987-8992.

Kashishian A., et al. (1992) *EMBO J.* 11:1373-1382.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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