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32-6518: PDGFRB Human

Alternative Name :	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, CD140b, PDGFRB, Beta Platelet-Derived Growth Factor Receptor, Activated Tyrosine Kinase PDGFRB, CD140b AntigenNDEL1-PDGFRB, EC 2.7.10, CD140B, IBGC4, JTK12, PENTT, IMF1, KOGS, Platelet Derived Growth Factor Receptor Beta, Platelet-Derived Growth Factor Receptor, Beta Polypeptide, Beta-Type Platelet-Derived Growth Factor Receptor, Platelet-Derived Growth Factor Receptor 1, CD140, Antigen-Like Family Member B, PDGF-R-Beta, EC 2.7.10.1, PDGFR-Beta, PDGFR-1, PDGFR1, PDGFR,Platelet-Derived Growth Factor Receptor Beta.

Description

Source: Sf9, Insect cells.
Sterile filtered colorless solution.
Platelet-derived growth factor receptor beta (PDGFRB), belongs to the class III subfamily of receptor tyrosine kinases (RTK) which also consist of the receptors for Flt3-ligand, SCF and M-CSF. PDGFRB takes a vital part in blood vessel development by promoting growth, migration as well as recruitment of pericytes and smooth muscle cells to endothelial cells. PDGFRB helps in rearrangement of the actin cytoskeleton in addition the formation of membrane ruffles. PDGFRB phosphorylates, NCK1, PIK3R1, PTPN11, CBL, SHC1, RASA1/GAP and PLCG1.
PDGFRB produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 739 amino acids (33-532a.a.) and having a molecular mass of 83.3kDa (Molecular size on SDS-PAGE will appear at approximately 100-150kDa).PDGFRB is expressed with an 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	PDGFRB protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	LVVTPPGPEL VLNVSSTFVL TCSGSAPVVW ERMSQEPPQE MAKAQDGTFS SVLTLTNLTG LDTGEYFCTH NDSRGLETDE RKRLYIFVPD PTVGFLPNDA EELFIFLTEI TEITIPCRVT DPQLVVTLHE KKGDVALPVP YDHQRGFSGI FEDRSYICKT TIGDREVDSD AYYVYRLQVS SINVSVNAVQ TVVRQGENIT LMCIVIGNEV VNFEWTYPRK ESGRLVEPVT DFLLDMPYHI RSILHIPSAE LEDSGTYTCN VTESVNDHQD EKAINITVVE SGYVRLLGEV GTLQFAELHR SRTLQVVFEA YPPPTVLWFK DNRTLGDSSA GEIALSTRNV SETRYVSELT LVRVKVAEAG HYTMRAFHED AEVQLSFQLQ INVPVRVLEL SESHPDSGEQ TVRCRGRGMP QPNIIWSACR DLKRCPRELP PTLLGNSSEE ESQLETNVTY WEEEQEFEVV STLRLQHVDR PLSVRCTLRN AVGQDTQEVI VVPHSLPFKV LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGKHHHHHH.Â