

Datasheet for ABIN5855064

PDGFRB Protein (AA 33-532) (hIgG-His-tag)



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1 Image

Overview

Quantity:	50 µg
Target:	PDGFRB
Protein Characteristics:	AA 33-532
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFRB protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LVTPPGPEL VLNVSSTFVL TCSGSAPVWV ERMSQEPPQE MAKAQDGTFS SVLTLTNLTG LDTGEYFCTH NDSRGLETDE RKRLYIFVPD PTVGFLPNDA EELFIFLTEI TEITIPCRVT DPQLVVTLHE KKG DVALPVP YDHQRGFSGI FEDRSYICKT TIGDREVDSD AYYVYRLQVS SINVS VNAVQ TVVRQGENIT LMCIVIGNEV VNF EWTPYPRK ESGRLVEPVT DFLDMPYHI RSILHIPS AE LEDSGTYTCN VTESVNDHQD EKAINITVVE SGYVRLLGEV GTLQFAELHR SRTLQVFEA YPPPTVLWFK DNRTLGDSSA GEIALSTRNV SETRYVSELT LVRVKVAEAG HYTMRAFHE D AEVQLSFQLQ INVPVRVLEL SESH PDSGEQ TVRCRGRGMP QPNIIWSACR DLKRCPRELP PTLLGNSSEE ESQLETNVTY WEEEQEF EVV STLRLQHVDR PLSVRCTLRN AVGQDTQEV I VPHSLPFKV
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

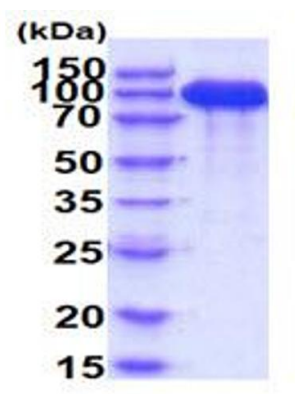
Target:	PDGFRB
Alternative Name:	PDGF R beta (PDGFRB Products)
Background:	PDGFRB, also known as platelet-derived growth factor receptor beta, is a member of the class III subfamily of receptor tyrosine kinases (RTK) that also includes the receptors for M-CSF, SCF and Flt3-ligand. It plays an essential 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.
Molecular Weight:	83.3 kDa (739aa)
NCBI Accession:	NP_002600
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

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.