

Recombinant Human PDGFRB, GST-tagged, Active

Cat. No. PDGFRB-386H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length PDGFRB (557-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW=104kDa.
Species	Human
Source	Sf9 Cells
Description	PDGFR β (platelet-derived growth factor receptor) is a member of the PDGFR family of membrane receptors with intrinsic tyrosine kinase activity. PDGFR β deficient mice are hemorrhagic, severely anemic and exhibit a defect in kidney glomeruli function. However, absence of PDGFR β has no impact on major blood vessels and the heart. PDGFR β expression and activity is elevated in several cancers and inhibition of PDGFR β activity blocks progression of renal carcinoma in an animal model.
Sequence	557-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	PDGFRB platelet-derived growth factor receptor, beta polypeptide [Homo sapiens]
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Synonyms	PDGFRB; platelet-derived growth factor receptor, beta polypeptide; JTK12; PDGFR; CD140B; PDGFR1; platelet-derived growth factor receptor beta; PDGF-R-beta; CD140 antigen-like family member B; EC 2.7.10.1; CD140b; PDGF-R-beta; CD140b antigen; soluble PDGFRb variant 1
Gene ID	5159
mRNA Refseq	NM_002609
Protein Refseq	NP_002600
MIM	173410
UniProt ID	P09619
Chromosome Location	5q33.1
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
Function	ATP binding; nucleotide binding; platelet activating factor receptor activity; platelet-derived growth factor beta-receptor activity; platelet-derived growth factor receptor binding; receptor activity; transferase activity; vascular endothelial growth factor receptor activity