

**Product:** PDGFRbeta, active  
**Catalog #:** 02-2035  
**Amount:** 5 µg

**DESCRIPTION:** PDGFRbeta (platelet-derived growth factor receptor beta) is a member of the PDGFR family of membrane receptors with intrinsic tyrosine kinase activity. PDGFRbeta deficient mice are hemorrhagic, severely anemic and exhibit a defect in kidney glomeruli function (1). However, absence of PDGFRbeta has no impact on major blood vessels and the heart. PDGFRbeta expression and activity is elevated in several cancers and inhibition of PDGFRbeta activity blocks progression of renal carcinoma in an animal model (2). The gene accession number is [NM 002609](#)  
Gene Aliases: JTK12; PDGFR; CD140B; PDGFR1; PDGF-R-beta

**SOURCE:** Recombinant human PDGFRbeta (557-end) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:** 96 kDa

**PURITY:** > 90% (by densitometry)

**FORM:** Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

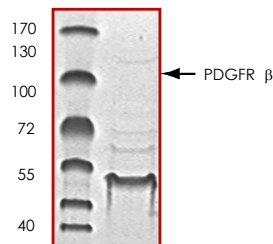
**CONCENTRATION:** 0.1 mg/ml

**SPECIFIC ACTIVITY:** 20 nmol/mim/mg

**STORAGE:** -70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Soriano, P: Abnormal kidney development and hematological disorders in PDGF beta-receptor mutant mice. *Genes Dev.* 1994 Aug 15;8(16):1888-96
2. Xu, L. et al: Blocking platelet-derived growth factor-D/platelet-derived growth factor receptor beta signaling inhibits human renal cell carcinoma progression in an orthotopic mouse model. *Cancer Res.* 2005 Jul 1;65(13):5711-9



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