

Recombinant Rat Pdgfb Protein, His&GST-tagged

Cat. No. Pdgfb-1931R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pdgfb Protein (Cys13-Ala241) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Cys13-Ala241
Description	Enables signaling receptor binding activity. Involved in several processes, including positive regulation of biosynthetic process; positive regulation of cell migration; and response to peptide hormone. Located in several cellular components, including basolateral plasma membrane; dendrite; and neuronal cell body. Used to study asthma; brain infarction; glomerulonephritis; and visual epilepsy. Biomarker of cholestasis; hypertension (multiple); liver cirrhosis; oligohydramnios; and ureteral obstruction. Human ortholog(s) of this gene implicated in basal ganglia calcification; clear cell renal cell carcinoma; connective tissue cancer (multiple); familial meningioma; and prostatic hypertrophy. Orthologous to human PDGFB (platelet derived growth factor subunit B).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.0 kDa Accurate Molecular Mass: 56/39 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pdgfb platelet-derived growth factor beta polypeptide [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Pdgfb
Synonyms	PDGFB; platelet-derived growth factor beta polypeptide; platelet-derived growth factor subunit B; PDGF-2; pdgf protein; PDGF subunit B; platelet-derived growth factor B chain; platelet derived growth factor, B polypeptide; Platelet-derived growth factor, same as Sis (Simian sarcoma viral oncogene homologue, c-sis); platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); SIS; c-sis;

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Gene ID	24628
mRNA Refseq	NM_031524
Protein Refseq	NP_113712
UniProt ID	Q05028

