

## Recombinant Rat Pdgfb protein, His/S-tagged

**Cat. No.** Pdgfb-173R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Pdgfb fused with His/S tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Description</b>	<p>Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. Binding of this growth factor to its affinity receptor elicits a variety of cellular responses. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heal the wound. [SUBUNIT]</p> <p>Antiparallel disulfide-linked dimer of nonidentical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. A-A and B-B, as well as A-B, dimers can bind to the PDGF receptor. Belongs to the PDGF/VEGF growth factor family.</p>
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

### GENE INFORMATION

<b>Gene Name</b>	Pdgfb platelet-derived growth factor beta polypeptide [ <i>Rattus norvegicus</i> ]
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<b>Official Symbol</b>	<a href="#">Pdgfb</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">24628</a>
<b>mRNA Refseq</b>	<a href="#">NM_031524</a>
<b>Protein Refseq</b>	<a href="#">NP_113712</a>
<b>UniProt ID</b>	<a href="#">Q05028</a>
<b>Chromosome Location</b>	7q34
<b>Pathway</b>	Downstream signal transduction, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Glioma, organism-specific biosystem; Glioma, conserved biosystem;
<b>Function</b>	cell surface binding; cell surface binding; collagen binding; collagen binding; eukaryotic cell surface binding; eukaryotic cell surface binding; growth factor activity; platelet-derived growth factor binding; platelet-derived growth factor binding; platelet-derived growth factor receptor binding; platelet-derived growth factor receptor binding; contributes_to platelet-derived growth factor receptor binding; protein heterodimerization activity; protein heterodimerization activity; protein

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homodimerization activity; protein homodimerization activity; superoxide-generating NADPH oxidase activator activity; superoxide-generating NADPH oxidase activator activity;

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