

Recombinant Rat Pdgfb protein, His/S-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Pdgfb fused with His/S tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	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] 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.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	Pdgfb platelet-derived growth factor beta polypeptide [Rattus norvegicus]
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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;
Gene ID	24628
mRNA Refseq	NM_031524
Protein Refseq	NP_113712
UniProt ID	Q05028
Chromosome Location	7q34
Pathway	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;
Function	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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