

Recombinant Mouse Pdgfb protein, His/S-tagged

Cat. No. Pdgfb-172M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pdgfb fused with His/S tag was expressed in E. coli.
Species	Mouse
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, B polypeptide [Mus musculus]
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Official Symbol	Pdgfb
Synonyms	PDGFB; platelet derived growth factor, B polypeptide; platelet-derived growth factor subunit B; c-sis; PDGF-2; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor B chain; platelet-derived growth factor beta polypeptide; Sis; PDGF-B;
Gene ID	18591
mRNA Refseq	NM_011057
Protein Refseq	NP_035187
UniProt ID	P31240
Chromosome Location	15 E1; 15 37.85 cM
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signal transduction, organism-specific biosystem; ESC Pluripotency Pathways, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	cell surface binding; collagen binding; eukaryotic cell surface binding; growth factor activity; platelet-derived growth factor binding; platelet-derived growth factor receptor binding; protein heterodimerization activity; protein homodimerization activity; superoxide-generating NADPH oxidase activator activity;