Recombinant Rat Pdgfa protein, His/S-tagged

Cat. No. Pdgfa-176R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pdgfa 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. Antiparallel disulfide-linked dimer of nonidentical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. The long form contains a basic insert which acts as a cell retention signal. A-A and B-B, as well as A-B, dimers can bind to the PDGF receptor. It 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	Pdgfa platelet-derived growth factor alpha polypeptide [Rattus norvegicus]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	Pdgfa
Synonyms	PDGFA; platelet-derived growth factor alpha polypeptide; platelet-derived growth factor subunit A; PDGF-1; PDGF subunit A; platelet derived growth factor, alpha; Platelet-derived growth factor A chain; PDGFACP;
Gene ID	25266
mRNA Refseq	NM_012801
Protein Refseq	NP_036933
UniProt ID	P28576
Chromosome Location	12q11
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Gap junction, organism-specific 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; contributes_to platelet-derived growth factor receptor binding; platelet-derived growth factor receptor binding; protein heterodimerization activity; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA