

Platelet-derived growth factor Active Protein | PDGFB active protein

Human platelet-derived growth factor

CATALOG #
AAA62063

PRODUCT SYNONYMS

Platelet-derived growth factor; Human platelet-derived growth factor; PDGFB active protein

PRODUCT SPECIFICATIONS

Purity/Purification	? 97% purity (by SDS PAGE and HPLC)
Form/Format	Sterile lyophilized powder, pH7.4, 100 mM Glycine, 150mM NaCl buffer solution.
Sequence Length	241
Source	Yeast
Endotoxin Level	≤ 1 EU/mg, determined by the LAL method
Biological Activity	Measured in a cell proliferation assay using Balb/c 3T3, the specific activity shall be not less than 1 x10 ⁶ IU/mg
Reconstitution	Reconstitute with double distilled water at a concentration of no less than 50 ug/ml with 0.1% human serum albumin (A highly purified plant-derived human serum albumin is strongly suggested to be used) or bovine serum albumin as a stock.
Preparation and Storage	Stable for 6-months from the date of shipment when kept at -20°C or -70°C. Upon reconstitution, it can be stored at 4°C for at least one month or -20°C for at least three months. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PDGFB active protein	Introduction: Platelet-derived growth factor (PDGF) is one of the numerous growth factors, or proteins that regulate cell growth and division. In particular, it plays a significant role in blood vessel formation (angiogenesis), the growth of blood vessels from already-existing blood vessel tissue. PDGF is a potent mitogen for cells of mesenchymal origin, including fibroblasts, smooth muscle cells and glial cells. Description: Recombinant human hPDGF produced in Yeast is a homodimer of two glycosylated, polypeptide chains containing 109 amino acid residues each, one intercellular and three intracellular pairs of disulfide bonds, having a molecular weight of 30 kDa.
Product Categories/Family for PDGFB active protein	Cytokine Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	338209
NCBI GeneID	5155
NCBI Official Full Name	platelet-derived growth factor
NCBI Official Synonym Full Names	platelet derived growth factor subunit B
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2

NCBI Protein Information	platelet-derived growth factor subunit B
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
UniProt Entry Name	PDGFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/platelet-derived-growth-factor/62063>