

Active Recombinant Human PDGFA Protein, Animal Free

Cat. No. PDGFA-44H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFA Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	PDGF is not one molecule but three, each a dimeric combination of two distinct but structurally related peptide chains designated A and B. The dimeric isoforms PDGF _{aa} , _{ab} and _{bb} are differentially expressed in various cell types and their effects are mediated through two distinct receptors, termed α and β . The PDGFs play an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. They are involved in a number of biological processes, including hyperplasia, chemotaxis, embryonic neuron development, and respiratory tubule epithelial cell development.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of 3T3 cells.
Molecular Mass	35, 40, 45 kDa
Endotoxin	<0.5 EU/ μ g
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12

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months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

Storage Buffer Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Reconstitution Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name PDGFA platelet derived growth factor subunit A [Homo sapiens (human)]

Official Symbol PDGFA

Synonyms PDGFA; platelet derived growth factor subunit A; PDGF1; PDGF-A; platelet-derived growth factor subunit A; PDGF A-chain; PDGF subunit A; platelet-derived growth factor A-chain; platelet-derived growth factor alpha chain; platelet-derived growth factor alpha polypeptide

Gene ID 5154

mRNA Refseq NM_033023

Protein Refseq NP_148983

MIM 173430

UniProt ID P04085

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