

Active Recombinant Rat Pdgfa protein

Cat. No. Pdgfa-375R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Pdgfa protein(P28576)(87-196 aa) was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	87-196 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 30 % Acetonitrile and 0.1 % TFA.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 5.0 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 25.3 kDa, a disulfide-linked homodimeric protein containing two 111 amino acid residues polypeptide (A chain).
AASequence	MSIEEAIPAV CKTRTVIYEI PRSQVDPTSA NFLIWPPCVE VKRCTGCCNT SSVKCQPSRV HHRSVKVAKV EYVRKKPKLK EVQVRLEEHL ECACATSNLN PDHREEETDV R
Endotoxin	Less than 0.1 EU/µg of rRtPDGF-AA as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name Pdgfa platelet-derived growth factor alpha polypeptide [Rattus norvegicus]

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

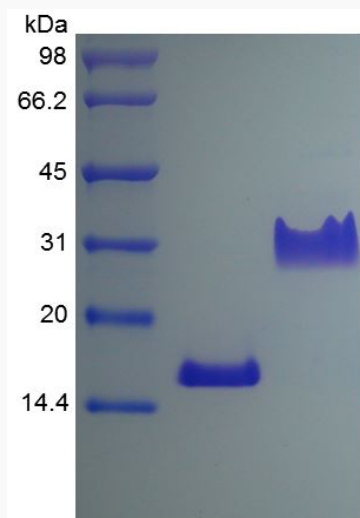
Protein Refseq NP_036933

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SDS-PAGE



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