



PDGF-aa, Human Recombinant

CATALOG NUMBER:	GF142	QUANTITY:	10 µg
LOT NUMBER:			
ALTERNATE NAMES:	Platelet Derived Growth Factor-AA		
BACKGROUND:	Platelet Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle, and connective tissue. PDGF, which is composed of a dimer of two chains termed the A chain and B chain, can be present as AA or BB homodimers or as an AB heterodimer. Human PDGF-AA is a 28.5 kDa A chain homodimer protein containing 250 amino acid residues.		
APPLICATIONS:	For most <i>in vitro</i> applications, PDGF-AA exerts its biological activity in the concentration range of 0.2 to 10.0 ng/mL. Responding cells are (partial list): Fibroblasts, connective tissue.		
SOURCE:	<i>E.coli</i>		
PURITY:	Greater than 90% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of PDGF-AA.		
ACTIVITY:	Human PDGF-AA is fully biologically active when compared to standards, as determined by colorimetric assay using BALB / 3T3 cells.		
PRESENTATION:	Lyophilized from a 10mM Acetic Acid solution.		
STORAGE/HANDLING:	The lyophilized PDGF-AA is stable for a few weeks at room temperature, but best stored at -80°C. After a quick spin, reconstitute in 10mM Acetic Acid to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into aqueous buffered solutions and stored at 2-8°C for one week or -20°C for future use. Reconstituted PDGF-AA should be stored in undiluted aliquots at -20°C for up to six months.		

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2009: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.

28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com