
Product Data Sheet

Product Name: PDGF A Human
Cat. No.: GP20812
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glioma-derived growth factor; GDGF; Osteosarcoma-derived Growth Factor; ODGF; PDGF-A; PDGF-1.		
Formulation	Platelet-derived Growth Factor A is supplied in 25mM Na-Acetate, pH-4.8, 1mM EDTA and 50% glycerol.		

Introduction

The term α PDGF β refers to a family of disulphide bond-linked dimeric isoforms that act as autocrine and paracrine growth factors and are produced by a variety of cell types other than platelets. They act as potent mitogens for almost all mesenchymally-derived cells. Aberrant expression is involved in certain cancers, fibroproliferative disorders and atherosclerosis. The protein also contributes to wound healing and neural regeneration. There are four members of the PDGF family α C PDGF A, PDGF B, PDGF C and PDGF D. Two distinct types of PDGF-A exist α C a short form that is soluble and a long form that is retained by the extracellular matrix.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Background

Platelet-Derived Growth Factor A Human Recombinant short chain produced in E.Coli is a non-glycosylated, polypeptide chain containing 110 amino acids fragment (87-196) and having a total Mw of 17.02kDa, with an amino-terminal hexahistidine tag. PDGF-A is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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