
Product Data Sheet

Product Name: PDGFD Human
 Cat. No.: GP20822
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Platelet Derived Growth Factor D; Spinal Cord-Derived Growth Factor B; Iris-Expressed Growth Factor; SCDGF-B; IEGF; PDGF-D; MSTP036.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSYHDR KSKVDLDRLN DDAKRYSCPT RNYSVNIREE LKLANVVFFP RCLLVQRCGG NCGCGTVNWR SCTCNSGKTV KKYHEVLQFE PGHIKRRGRA KTMALVDIQL DHHERCDCIC SSRPPR.		
Formulation	The PDGFD solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Platelet-derived growth factor D (PDGFD) belongs to the platelet-derived growth factor family. PDGFD gene product only forms homodimers and, thus, does not dimerize with the other 3 family members. PDGFD has an imperative role in wound healing. PDGFD induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. PDGFD initiates events which lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix. The 4 members of the PDGF family are mitogenic factors for cells of mesenchymal origin and are distinguished by a core motif of eight cysteines, 7 of which are found in this factor. PDGFD differs from alpha and beta members of this family by having an odd N-terminal domain, the CUB domain.

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

PDGFD Human Recombinant produced in E. coli is a single polypeptide chain containing 146 amino acids (250-370) and having a molecular mass of 16.6 kDa. PDGFD is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA