9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PDGFD Human

Platelet Derived Growth Factor-D Human Recombinant
GRF0313

Product Overview

Name	PDGFD Human
Description	
Platelet Derived Growth Factor-D Human Recombinant	
Accession (Primary)	Q9GZP0
Synonyms	
Platelet Derived Growth Factor D, Spinal Cord-Derived Growth Factor B, Iris-Expressed Growth Factor, SCDGF-B, IEGF, PDGF-D, MSTP036.	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The PDGFD solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MGSSHHHHHH SSGLVPRGSH MGSHM SYHDR KSKVDLDRLN DDAKRYSCTP RNYSVNIREE LKLANVVFFP RCLLVQRCGG NCGCGTVNWR SCTCNSGKTV KKYHEVLQFE PGHIKRRGRA KTMALVDIQL DHHERCDCIC SSRPPR.

Precautions

PDGFD Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9GZP0)