

Recombinant Human Platelet Derived Growth Factor D, His-tagged

Cat. No. PDGFD-7140H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PDGFD protein, fused to His-tag at N-terminus, was expressed in E. coli. MW: 16.6 kDa.
Species	Human
Source	E.coli
ProteinLength	250-370aa
Description	Platelet-derived growth factor D, also known as PDGFD, plays an important role in wound healing. This protein induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. This protein can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol.
Molecular Mass	16.6 kDa (146aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSYHDR KSKVDLDRLN DDAKRYSTP RNYSVNIREE LKLANVFFFP RCLLVQRCGG NCGCGTVNWR SCTCNSGKTV KKYHEVLQFE PGHIKRRGRA KTMALVDIQL DHHERCDCIC SSRPPR
Purity	>90% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PDGFD platelet derived growth factor D [Homo sapiens]
Official Symbol	PDGFD
Synonyms	PDGFD; platelet derived growth factor D; platelet-derived growth factor D; IEGF; MSTP036; SCDGF B; spinal cord derived growth factor B; PDGF-D; iris-expressed growth factor; spinal cord-derived growth factor B; spinal cord-derived growth factor-B; SCDGFB; SCDGF-B; MGC26867;
Gene ID	80310
mRNA Refseq	NM_025208
Protein Refseq	NP_079484
MIM	609673
UniProt ID	Q9GZP0
Chromosome Location	11q22.3
Pathway	Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific

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biosystem; Focal adhesion, conserved biosystem; Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Melanoma, organism-specific biosystem; Melanoma, conserved biosystem;

Function

growth factor activity;

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