

DATASHEET
Version 20181206**PDGF-DD, Human****Cat. No.:** Z03195-50**Size:** 50.0 ug**Synonyms:** platelet-derived growth factor D, IEGF, SCDGFB**Description:**

PDGF-DD, also known as platelet-derived growth factor D, IEGF and SCDGFB, is a secreted growth factor belonging to the PDGF/VEGF family. It is highly expressed in the heart, pancreas, adrenal glands and ovary. PDGF-DD forms functional homodimers that bind and induce PDGF R β homodimers and PDGF R α / β heterodimers that promote intracellular signaling. This plays an important role in the regulation of cell differentiation, migration and survival. It has also been reported that PDGF-DD can induce monocyte and macrophage recruitment, increase interstitial pressure and facilitate wound healing.

Amino Acid Sequence:

00001 SYHDRKSKVD LDRLNDDAKR YSCTPRNYSV NIREELKLAN
00041 VVFFPRCLLV QRCGGNCGCG TVNWRSTCN SGKTVKKYHE
00081 VLQFEPGHIK RRGRAKTMAL VDIQLDHER CDCICSSRPP
00121 R

Source: CHO**Species:** Human**Biological Activity:** ED₅₀ < 5 μ g/ml, measured in a cell proliferation assay using 3T3 cells.**Molecular Weight:** 19-21 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 μ g/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**Endotoxin Level:** < 0.2 EU/ μ g, determined by LAL method.**Storage:** Lyophilized recombinant human PDGF-DD remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human PDGF-DD should be stable up to 1 week at 4°C or up to 2 months at -20°C.