

PDGF-DD, Human

Cat. No.: Z03195-10

Size: 10.0 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:

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