

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant PDGF-DD, Human

Catalog Number: BK0281-10 μ g

Source: CHO

Quantity: 10 μ g

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.

Molecular Weight:

19-21 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 5 μ g/ml, measured in a cell proliferation assay using 3T3 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

SYHDRK-
SKVDLDRLNDDAKRYSCTPRNYSVNIREELKLA
NVVFFPR-
CLLVQRCCGNCGCGTVNWRSCCTCNSGKTVK-
KYHEVLQFEPGHIKRRGRAKTMALVDIQLD-
HHERCDCICSSRPPR

Endotoxin:

< 0.2 EU/ μ g, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Storage:

Lyophilized recombinant human PDGF-DD remains stable up to 6 months at -80 $^{\circ}$ C from date of receipt. Upon reconstitution, human PDGF-DD should be stable up to 1 week at 4 $^{\circ}$ C or up to 2 months at -20 $^{\circ}$ C.

Usage:

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