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Datasheet for ABIN2018314 PDGFD Protein (AA 250-370)

Overview

Quantity:	50 µg
Target:	PDGFD
Protein Characteristics:	AA 250-370
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 5 µg/mL, measured in a cell proliferation assay using 3T3 cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	PDGFD
Abstract:	PDGFD Products
Background:	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 Rbeta homodimers and PDGF R alpha/beta heterodimers that promote intracellular signaling. This plays an important role in the regulation of cell differentiation, migration and survival. It has

Target Details

also been reported that PDGF-DD can induce monocyte and macrophage recruitment, increase interstitial pressure and facilitate wound healing.

Synonyms: platelet-derived growth factor D, IEGF, SCDGFB

Molecular Weight: 19-21 kDa, observed by reducing SDS-PAGE.

UniProt: [Q9GZP0](#)

Pathways: [RTK Signaling](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human PDGF-DD remains stable up to 6 months at -80 °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.

Expiry Date: 6 months