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Datasheet for ABIN2018318 **PDGFC Protein (AA 235-345)**

Overview

Quantity:	50 µg
Target:	PDGFC
Protein Characteristics:	AA 235-345
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 1 ng/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:	PDGFC
Abstract:	PDGFC Products
Target Type:	Viral Protein
Background:	Platelet-Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle, connective tissue, bone and cartilage cells, and some blood cells. The PDGF is involved in a number of biological processes, including hyperplasia, chemotaxis, embryonic neuron development, and respiratory tubule epithelial cell development.

Target Details

The PDGF family consists of proteins derived from four genes (PDGF -A, -B, -C, and -D) that form four disulfide-linked homodimers (PDGF-AA, -BB, -CC, and -DD) and one heterodimer (PDGF-AB).

Synonyms: PDGF

Molecular Weight: 15-19 kDa, observed by reducing SDS-PAGE.

NCBI Accession: [NP_057289](#)

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 Platelet-derived growth factor (PDGF) -CC remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Platelet-derived growth factor (PDGF) -CC should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months