

Human CellExp™ PDGF-CC, Human Recombinant

CATALOG NO: P1526-10 10 µg
P1526-50 50 µg

ALTERNATE NAMES: Platelet-derived growth factor C, PDGFCC; PDGF-CC, Fallotein, Spinal cord-derived growth factor, SCDGF, VEGF-E

MOL. WT. 16 kDa (6xHis tag at the C-terminus)

SOURCE: HEK 293 cells

PURITY: >95% SDS - PAGE

FORM: Lyophilized

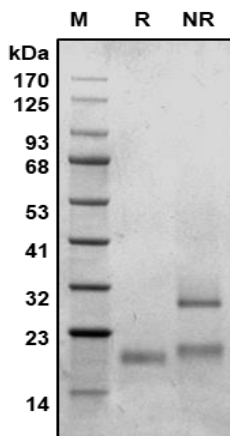
FORMULATION: Lyophilized from 0.22 µm filtered PBS (pH 7.4) with 5% trehalose

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS (pH 7.4). Do not vortex.

STORAGE CONDITIONS: Store lyophilized protein at -20°C. Once reconstituted, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: PDGF-CC is a member of the platelet-derived growth factor (PDGF) family, which was originally identified as a serum growth factor for fibroblasts, smooth muscle cells and glia cells. 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). These proteins regulate diverse cellular functions by binding to and inducing the homo- or hetero-dimerization of two receptor tyrosine kinases (PDGF R alpha and R beta). PDGF-CC is expressed in multiple embryonic and adult cell types and tissues. PDGF-CC is involved in pathogenesis of neurologic diseases, cancer and fibrosis. The PDGF-CC ligand has also been shown to be involved in tumor growth by paracrine signaling through PDGFRα in malignant melanoma and cervical carcinoma.

AMINO ACID SEQUENCE: aa Val 235 – Gly 345



SDS-PAGE (4-20%) of Recombinant human PDGF-C His Tag: 2 µg of recombinant human PDGF-CC is loaded under reducing (R) and non-reducing conditions (NR). Gel is stained with Coomassie Blue. Two protein bands around 16 kDa and 30 kDa can be detected due to glycosylation and dimerization.

RELATED PRODUCTS:

- PDGF-BB, murine recombinant (4489)
- Human CellExp™ PDGF-AA, Human Recombinant (6476)
- PDGF-AA, murine recombinant (4483)
- Human CellExp™ PDGF R alpha / PDGFRA, Human Recombinant (P1460)
- PDGF-AA, human recombinant (4482)
- PDGF-BB, human recombinant (4488)

FOR RESEARCH USE ONLY! Not to be used on humans.