

32-6517: PDGF CC Human

Application : Functional Assay

Alternative Name : Platelet Derived Growth Factor C, Spinal Cord-Derived Growth Factor, FALLOTEIN, PDGF-C, VEGF-E, SCDGF, Secretory Growth Factor-Like Protein, Platelet-Derived Growth Factor C, PDGFC.

Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

Platelet Derived Growth Factor-CC (PDGF-CC) belongs to the PGDF family of growth factors. PDGF-CC binds with high-affinity to PDGF R-a and activates PDGF R-ab heterodimers. During development, PDGF-CC is involved in ductal morphogenesis, cardiovascular smooth muscle cell proliferation; also PDGF-CC is an angiogenic factor. Furthermore, PDGF-CC is expressed in numerous tumors and tumor cell lines, and may be linked with tumorigenesis.

PDGF-CC Human Recombinant (235-345) produced in E.Coli is a disulfide-linked homodimer containing 2x118 amino acids and having a total molecular mass of 26.8kDa. The PDGF-CC is fused to a 7 amino acid His tag [M-HHHHHH] at N-terminal and purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 97.0% as determined by SDS-PAGE.

Content : Lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA.

It is recommended to reconstitute the lyophilized PDGF-CC in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage condition :

Lyophilized PDGF-CC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PDGF-CC should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid : MHHHHHHVVD LNLTEEVRL YSCTPRNFSV SIREELKRTD TIFWPGCLLV KRCGGNCACC LHNCNECQCV PSKVTKKYHE VLQLRPKTGV RGLHKS LTDV ALEHHEECDC VCRGSTGG.

Application Note

The ED₅₀, as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 350ng/ml.