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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 LNLLTEEVRL YSCTPRNFSV SIREELKRTD TIFWPGCLLV KRCGGNCACC LHNCNECQCV PSKVTKKYHE VLQLRPKTGV RGLHKSLTDV ALEHHEECDC VCRGSTGG.

Application Note

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