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32-6526: PLGF2 Human

Application : Functional Assay
Alternative Name : PlGF, PGF, PlGF-2, PLGF-2.

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It binds to receptor vegfr-1/flt1. PLGF-2 binds neuropilin-1 and 2 in a dependent way.
Placental Growth Factor-2 Human Recombinant produced in E.Coli is a non-glycosylated, disulfide-linked homodimer consisting of 2x152 amino acid polypeptide chains, having a total molecular mass of approximately 34.6kDa. PLGF2 is purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4 and 0.02 % Tween-20. It is recommended to reconstitute the lyophilized Placental Growth Factor-2 in sterile 18M Omega -cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized PLGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Placental Growth Factor-2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Amino Acid :	LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT DCHLCGDAVP RR.

Application Note

Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-50 ng/ml.Ã□Â

For Research Use Only. Not for use in diagnostic/therapeutics procedures.