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32-1679: PLGF 1 Recombinant Protein

Alternative Name : PlGF,PGF,PLGF-1,PlGF-2.

Description

Source : Insect Cells. Placenta Growth Factor-1 Human Recombinant produced in insect cells is a homodimer, glycosylated polypeptide chain containing 2 x 131 amino acids and having a total molecular mass of approximately 34 kDa. The PLGF-1 is purified by proprietary chromatographic techniques. PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It binds to receptor vegfr-1/flt1.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution containing 50mM acetic acid.
Storage condition :	Lyophilized Placenta Growth Factor 1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PLGF1 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Pro-Ala-Val.

Application Note

It is recommended to reconstitute the lyophilized Placenta Growth Factor 1 in sterile 0.1M acetic acid not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by its ability to bind to immobilized rh-sFlt-1 in a functional ELISA. PlGF-1 human Recombinant can bind to immobilized rh-sFlt-1 (100ng/well) with a linear range at 0.5-10ng/ml, corresponding to a Specific Activity of 1x105-2x106units/mg.

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