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## 32-1680: PLGF 2 Recombinant Protein

Alternative Name: PIGF,PGF,PIGF-2,PLGF-2.

## **Description**

Source: Insect Cells. Placenta Growth Factor-2 Human Recombinant produced in insect cells is a homodimer, glycosylated polypeptide chain containing 2  $\times$  152 amino acids and having a total molecular mass of 44 kDa. The PLGF-2 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.PLGF-2 binds neuropilin-1 and 2 in a heparindependent manner.

## **Product Info**

Amount:  $10 \mu g$ 

**Purification:** Greater than 80.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Content:** Lyophilized from a concentrated (1mg/ml) solution containing BSA.

Lyophilized Placenta Growth Factor-2 although stable at room temperature for 3 weeks, should

**Storage condition:** be stored desiccated below -18°C. Upon reconstitution PLGF2 should be stored at 4°C between

2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

## **Application Note**

It is recommended to reconstitute the lyophilized Placenta Growth Factor 2 in sterile 20mM acetic acid not less than  $100\tilde{A} \square \hat{A} \mu g/ml$ , which can then be further diluted to other aqueous solutions. PIGF-2 human Recombinant can bind to immobilized rh-sFlt-1 (100ng/well) with a linear range at  $0.3\tilde{A} \Leftrightarrow 0.3\tilde{A} \approx 0.3\tilde{$ 

