

## 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 x 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 heparin-dependent manner.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 80.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	Lyophilized from a concentrated (1mg/ml) solution containing BSA.
<b>Storage condition :</b>	Lyophilized Placenta Growth Factor-2 although stable at room temperature for 3 weeks, should 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 100µg/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 0.3-10ng/ml.