

## 32-6521: PLGF1 Human

**Application :** Functional Assay  
**Alternative Name :** PIGF, PGF, PLGF-1.

### 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.

PLGF1 Human Recombinant (21-221 a.a.) produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing 129 amino acids and having a molecular mass of 29kDa. The PLGF-1 Human Recombinant protein is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 25 µg  
**Purification :** Greater than 97.0% as determined by SDS-PAGE.  
**Content :** PLGF-1 protein was lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA. It is recommended to reconstitute the lyophilized PLGF1 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.  
**Storage condition :** Lyophilized PLGF-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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.  
**Amino Acid :** AVPPQQWALS AGNGSSEVEV VPFQEVWGRS YCRALERLVD VVSEYPSEVE HMFSPSCVSL LRCTGCCGDE NLHCVPVETA NVTMQLLKIR SGDRPSYVEL TFSQHVRCEC RPLREKMKPE RCGDAVPRR.

### Application Note

Binds to immobilized rHuVEGFR1 with EC50 less than 6ng/ml.