

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 : AVPPQWALS AGNGSSEVEV VPFQEVWGRS YCRALERLVD VVSEYPSEVE HMFSPSCVSL LRCTGCCGDE NLHCVPVETA NVTMQLLKIR SGDRPSYVEL TFSQHVRCEC RPLREKMKPE RCGDAVPRR.

Application Note

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