
Product Data Sheet

Product Name: PLGF1 Human
 Cat. No.: GP20839
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	PIGF; PGF; PLGF-1; PIGF-2.		
Amino Acid Sequence	AVPPQQWALS AGNGSSEVEV VPFQEVWGRS YCRALERLVD VVSEYPSEVE HMFSPSCVSL LRCTGCCGDE NLHCVPVETA NVTMQLLKIR SGDRPSYVEL TFSQHVRCEC RPLREKMKPE RCGDAVPRR.		
Solubility	It is recommended to reconstitute the lyophilized PLGF1 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	PLGF-1 protein was lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA.		

Introduction

PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It binds to receptor vegfr-1/flt1.

Biological Activity

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

Stability

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.

Background

PLGF1 Human Recombinant (21-221 a.a.) produced in E.Coli is a disulfide-linked

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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