
Product Data Sheet

Product Name: PLGF1 Human, 132 a.a.

Cat. No.: GP26067

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	PIGF, PGF, PLGF-1.		
Amino Acid Sequence	MLPAVPPQQW ALSAGNGSSE VEVVPFQEVW GRSYCRALER LVDVVSEYPS EVEHMFSPSC VLLRCTGCC GDENLHCVPV ETANVTMQLL KIRSGDRPSY VELTFSQHVR CECRPLREKM KPERCGDAVP RR.		
Solubility	It is recommended to reconstitute the lyophilized Placental Growth Factor-1 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in 10mM Sodium Phosphate pH 7.5.		

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

Determined by its ability to chemoattract human monocytes of using a concentration range of 1.0-10.0 ng/ml.

Stability

Lyophilized PLGF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Placental Growth Factor-1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Background

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

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Placental Growth Factor-1 Human Recombinant produced in E.Coli is a non-glycosylated, disulfide-linked homodimer consisting of 2x132 amino acid polypeptide chains, having a total molecular mass of approximately 29.7kDa. PLGF1 is purified by proprietary chromatographic techniques.

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