
Product Data Sheet

Product Name: PLGF1 Human, His
 Cat. No.: GP20840
 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	MKHHHHHHAS LPAVPPQQA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECR.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. PLGF1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	PLGF1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in PBS and 5% w/v trehalose, pH 7.4.		

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.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

PLGF1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 19-131) containing 123 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 13.8kDa (calculated).

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

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