
Product Data Sheet

Product Name: PLGF3 Human
 Cat. No.: GP20844
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Placental Growth Factor; Placental Growth Factor Vascular Endothelial Growth Factor-Related Protein; PGFL; PLGF; Placental Growth Factor-Like; Placenta Growth Factor; SHGC-10760; D12S1900; PIGF-2; PGF.		
Amino Acid Sequence	MLPAVPPQQW ALSAGNGSSE VEVVPFQEVW GRSYCRALER LVDVVSEYPS EVEHMFSPSC VLLRCTGCC GDENLHCVPV ETANVTMQLL KIRSGDRPSY VELTFSQHVR CECRHSPGRQ SPDMPGDFRA DAPSFLPPRR SLPMLFRMEW GCALTGSQSA VWPSSPVPEE IPRMHPGRNG KKQQRKPLRE KMKPERCGDA VPRR.		
Solubility	It is recommended to reconstitute the lyophilized PLGF-3 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a sterile (0.2µm) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (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.

Stability

Lyophilized PLGF3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution PLGF-3 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

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

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PLGF3 Human Recombinant produced in E.Coli is a non-glycosylated homodimer containing 2x204 amino acids and having a total molecular mass of 45.8kDa.

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