
Product Data Sheet

Product Name: PLGF Human, HEK
 Cat. No.: GP26068
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	PIGF, PGF, PLGF-1		
Amino Acid Sequence	DGSMVPPQQ WALSAAGNGSS EVEVVPFQEV WGRSYCRALR RLVDVVSEYP SEVEHMFSPS CVLLRCTGC CGDENLHCVP VETANVTMQL LKIRSGDRPS YVELTFSQHV RCECRPLREK MKPERRRPKG RGKRRREKQR PTDCHLCGDA VPRRHHHHHH		
Formulation	PLGF protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

Placental Growth Factor (PLGF) which is a member of the VEGF sub-family, is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. PLGF mainly plays a role in trophoblast growth and differentiation and binds to receptor vegfr-1/flt1.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PLGF Human Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (a.a 21-170) containing 160 amino acids and having a molecular mass of 18.3kDa. PLGF is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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

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