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## Product Data Sheet

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Product Name: PLGF2 Human, CHO

Cat. No.: GP20843

Batch No.: 1

**Product Data**

Purity	>98%	Source	Chinese Hamster Ovary cells (CHO).
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Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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Synonyms PIGF; PGF; PIGF-2; PLGF-2.

Amino Acid Sequence  
 LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE  
 VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV  
 ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT DCHLCGDAVP  
 RR.

Solubility It is recommended to reconstitute the lyophilized PLGF2 at 200µg/ml in PBS, which can then be further diluted to other aqueous solutions.

Formulation PLGF-2 protein was lyophilized from a 0.2µm filtered solution in HCl.

**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. PLGF-2 binds neuropilin-1 and 2 in a heparin-dependent manner.

**Biological Activity**

The ED50, as measured in a cell proliferation assay using MDA-MB-231 cells is less than 10µg/ml.

**Stability**

Lyophilized PLGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution PLGF2 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.

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

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

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### Background

PLGF2 Human Recombinant (19-170 a.a.) produced in CHO is a disulfide-linked homodimeric, glycosylated, polypeptide chain containing 152 amino acids and having a molecular mass of 33kDa. The PLGF-2 Human Recombinant protein is purified by proprietary chromatographic techniques.

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