

# Human PLGF1 Recombinant Protein



RPPB0861

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## Product Information    Protein Information

**Product SKU:**

RPPB0861

**Accession:**

P49763

**Host:**

Escherichia Coli.

**Protein description:**

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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

PlGF, PGF, PLGF-1.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in 10mM Sodium Phosphate pH 7.5.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Placental Growth Factor-1 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**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.

**Amino Acid Sequence:**

MLPAVPPQQW ALSAGNGSSE VEVVPFQEVW GRSYCRALER LVDVSEYPS EVEHMFSPSC VSLLRCTGCC  
GDENLHCVPV ETANVTMQLL KIRSGDRPSY VELTFSQHVR CECRPLREKM KPERCGDAVP RR.

**Biological Activity:**

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