

# Product information

## Pgf, 27-158aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3171

**Full name:** Placenta growth factor isoform 1

**NCBI Accession No.:** NP\_032853

**Synonyms:** AI854365, PIGF, Plgf

**Description:** Pgf, also known as placenta growth factor isoform 1, is abundant in trophoblastic giant cells associated with the parietal yolk sac at early stages of embryogenesis. The secretion of Pgf by trophoblastic giant cells is likely to be the signal which initiates and co-ordinates vascularization in the deciduum and placenta during early embryogenesis. Recombinant mouse Pgf, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

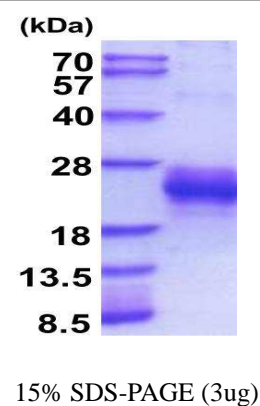
**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4), 0.1mM PMSF containing 10% glycerol

**Molecular Weight:** 15.9kDa (138aa)  
18-28KDa (SDS-PAGE under reducing conditions.)

**Purity:** > 85% by SDS – PAGE.

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** < 1.0 EU per 1µg of protein (determined by LAL method)



**Sequences of amino acids:**

AGNNSTEVEV VPFNEVWGRS YCRPMEKLVY ILDEYPDEVS HIFSPSCVLL SRCSGCCGDE GLHCVPIKTA NITMQILKIP PNRDPHFYVE  
MTFSQDVLCE CRPILETTKA ERRKTKGKRK RSRNSQTEEP HPHHHHHH

**General references:**

Achen M.G. *et al.*, (1997) *Growth Factors*. 15(1):69-80.

DiPalma T. *et al.*, (1996) *Mamm. Genome*. 7(1):6-12.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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