

# Recombinant mouse PIGF protein

Catalog Number: ATGP3171

## PRODUCT INFORMATION

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**Expression system**

Baculovirus

**Domain**

27-158aa

**UniProt No.**

P49764

**NCBI Accession No.**

NP\_032853

**Alternative Names**

Placenta growth factor isoform 1, AI854365, PIGF, Plgf, Pgf

## PRODUCT SPECIFICATION

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**Molecular Weight**

15.9 kDa (138aa)

**Concentration**

1mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) 0.1mM PMSF containing 10% glycerol

**Purity**

&gt; 85% by SDS-PAGE

**Endotoxin level**

&lt; 1 EU per 1ug of protein (determined by LAL method)

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**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

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purified by using conventional chromatography techniques.

### Amino acid Sequence

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

### General References

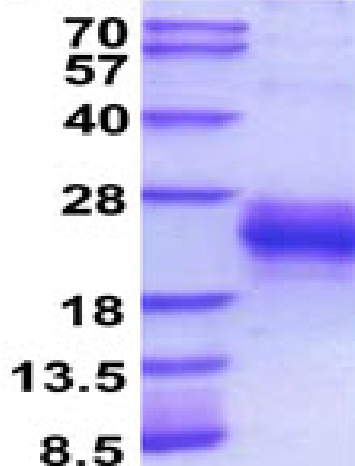
Achen M.G. et al., (1997) Growth Factors. 15(1):69-80.  
DiPalma T. et al., (1996) Mamm. Genome. 7(1):6-12.

## DATA

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### SDS-PAGE

(kDa)



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 $\mu$ g)