

Recombinant mouse PIGF protein

Catalog Number: ATGP3171

PRODUCT INFORMATION

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

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

> 85% by SDS-PAGE

Endotoxin level

< 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

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

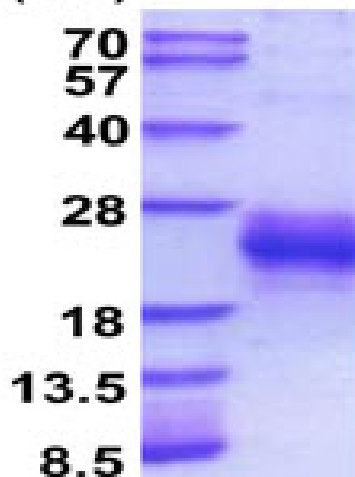
Achen M.G. et al., (1997) Growth Factors. 15(1):69-80.

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

DATA

SDS-PAGE

(kDa)



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 μ g)