

Recombinant Mouse Pgf protein, His-tagged

Cat. No. Pgf-54M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Pgf, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4), 0.1mM PMSF containing 10% glycerol
Molecular Mass	15.9kDa (138aa)18-28KDa (SDS-PAGE under reducing conditions.)
AA Sequence	AGNNSTEVEV VPFNEVWGRS YCRPMEKLVY ILDEYPDEVS HIFSPSCVLL SRCSGCCGDE GLHCVPIKTA NITMQILKIP PNRDPHFYVEMTFSQDVLCE CRPILETTKA ERRKTKGKRK RSRNSQTEEP HPHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>85% by SDS – PAGE

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

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

GENE INFORMATION

Gene Name Pgf placental growth factor [*Mus musculus*]

Official Symbol Pgf

Synonyms PGF; placental growth factor; placenta growth factor; PIGF; Plgf; AI854365;

Gene ID 18654

mRNA Refseq NM_008827

Protein Refseq NP_032853

MIM

UniProt ID

Pathway Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Pancreatic cancer, organism-specific biosystem; Pancreatic cancer, conserved biosystem;

Function growth factor activity; protein heterodimerization activity; protein homodimerization activity;

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