Recombinant mouse PlGF 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

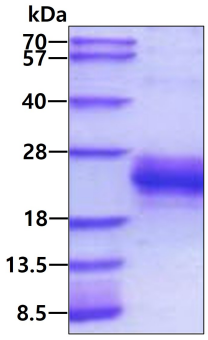
AGNNSTEVEV VPFNEVWGRS YCRPMEKLVY ILDEYPDEVS HIFSPSCVLL SRCSGCCGDE GLHCVPIKTA NITMQILKIP PNRDPHFYVE MTFSQDVLCE CRPILETTKA ERRKTKGKRK RSRNSQTEEP HP<HHHHHH>

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



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