

Recombinant Mouse Pigf

Cat. No. Pigf-330M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse PLGF is a disulfide-linked homodimer containing two 142 amino acid polypeptide chains of 16.3 kDa expressed in <i>E. coli</i> . MW=32.6kDa.
Species	Mouse
Source	E.coli
Description	Placenta growth factor (PIGF), a homodimeric glycoprotein that is homologous to vascular endothelial growth factor (VEGF), is mitogenic to endothelial cells and protects trophoblast from apoptosis. Alternative splicing of mature mRNA gives rise to three known isoforms of PIGF. PIGF is expressed by human trophoblast during normal pregnancy, however, it is not known which isoforms are produced.
Quantity	10 µg.
Specific Activity	NA.
Purity	Greater than 95% (determined by SDS-PAGE and HPLC analysis).
Endotoxin Level	< 0.1 ng per µg of rMu PLGF-2 (1EU/µg).
Biological Activity	Determined by its ability to chemoattract monocytes of using a concentration range of 0.5-10 ng/ml.
Formulation	Sterile-filtered, white, lyophilized (freeze-dried) powder. The protein was lyophilized

 Tel: 1-631-559-9269 1-516-512-3133

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from a protein solution with no additives.

Reconstitution

Please Note: Always centrifuge product briefly before opening vial. The lyophilized protein should be reconstituted in sterile, 20 mM acetic acid to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at -20°C for future use.

Storage And Stability

The lyophilized protein, though stable at room temperature for up to 3 weeks, is best stored desiccated at -20°C. Reconstituted rMu PLGF-2 protein should be used immediately or stored long-term in undiluted working aliquots at -20°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

[Pigf phosphatidylinositol glycan anchor biosynthesis, class F \[Mus musculus \]](#)

Synonyms

Pigf; phosphatidylinositol glycan anchor biosynthesis, class F; phosphatidylinositol glycan, class F; OTTMUSP00000029035

Gene ID

[18701](#)

mRNA Refseq

[NM_008838](#)

Protein Refseq

[NP_032864](#)

UniProt ID

[O09101](#)

Chromosome Location

17 E4-E5; 17 54.3 cM

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Pathway	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis; Metabolic pathways
Function	protein binding; phosphotransferase activity, for other substituted; phosphate groups

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