

Recombinant Mouse Placental Growth Factor

Cat. No. Pgf-356M Lot. No. (See product label)

SPECIFICATION

Species	Mouse
Source	Sf21 Cells
Description	Placenta growth factor 2 (PlGF-2) is an isoform of PlGF and a member of the vascular endothelial growth factor (VEGF) family. PlGF-2 has heparin binding properties and Neuropilin-1 is a receptor for PlGF-2.
Molecular Weight	The predicted molecular weight of Recombinant Mouse PlGF-2 is Mr 38 kDa.
State Of Matter	Lyophilized.
Formulation	This recombinant protein was lyophilized from a 0.2 µm filtered solution in 35% acetonitrile (CH ₃ CN) and 0.1% trifluoroacetic acid (TFA).
Biological Activity	The biological activity of Mouse PlGF-2 was determined by its ability to bind rmFlt-1/Fc in a functional ELISA.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer.

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GENE INFORMATION

Gene Name	Pgf placental growth factor [<i>Mus musculus</i>]
Synonyms	Pgf; acental growth factor; PIGF; Plgf; AI854365
Gene ID	18654
mRNA Refseq	NM_008827
Protein Refseq	NP_032853
UniProt ID	P49764
Chromosome Location	12 D; 12 39.0 cM
Pathway	Bladder cancer; Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Pathways in cancer; Renal cell carcinoma; mTOR signaling pathway
Function	growth factor activity; heparin binding; protein binding; protein heterodimerization activity; protein homodimerization activity

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