Recombinant Mouse PGF protein(Met1-Pro158)

Cat. No. PGF-1036M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PGF (P49764) (Met1-Pro158) was fused with five amino acids (DDDDK) at the C-terminus was expressed and purified in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Pro158
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse PGF at 10 μg/mL (100ul/well) can bind human VEGFR1-His. The EC50 of human VEGFR1-His is 0.07-0.15 μg/mL.
Molecular Mass	The recombinant mouse PGF consists of 146 amino acids and has a calculated molecular mass of 16.6 kDa. The recombinant protein migrates as an approximately 28 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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