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## Product Data Sheet

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Product Name: PGF1 Mouse  
 Cat. No.: GP20841  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Placenta growth factor; PIGF; PGF1.		
Amino Acid Sequence	AGNNSTEVEV VPFNEVWGRS YCRPMEKLVY ILDEYPDEVS HIFSPSCVLLSRCSCGCCGDE GLHCVPIKTA NITMQILKIP PNRDPHFYVE MTFSQDVLCE CRPILETTKA ERRKTKGKRKRSRNSQTEEP HPHHHHHH.		
Formulation	PGF1 protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4), 0.1mM PMSF and 10% glycerol.		

### Introduction

Placental Growth Factor, also known as PGF is rich in trophoblastic giant cells which are linked with the parietal yolk sac at early stages of embryogenesis. Furthermore, the secretion of PGF by trophoblastic giant cells is the signal which initiates as well as coordinates vascularization in the deciduum and placenta during early embryogenesis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

### Background

PGF1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 138 amino acids (27-158a.a.) and having a molecular mass of 15.9kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). PGF1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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