

## Active Recombinant Human PGF protein, His-tagged

Cat. No. PGF-29H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PGF protein (Leu19-Arg170), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Leu 19 - Arg 170
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 100 mM Acetic Acid, pH3.0 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human PLGF, His Tag at 1 µg/mL (100 µL/well) can bind Biotinylated Human VEGF R1, His,Avitag with a linear range of 4-63 ng/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 18.2 kDa. The protein migrates as 28-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

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This product is stable after storage at:  
 -20 centigrade to -70 centigrade for 12 months in lyophilized state;  
 -70 centigrade for 3 months under sterile conditions after reconstitution.

**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 [ Homo sapiens ]

**Official Symbol** PGF

**Synonyms** PGF; placental growth factor; PGFL, placental growth factor, vascular endothelial growth factor related protein , placental growth factor like; placenta growth factor; D12S1900; PIGF; PLGF; PIGF 2; SHGC 10760; placental growth factor-like; placental growth factor, vascular endothelial growth factor-related protein; PGFL; PIGF-2; SHGC-10760;

**Gene ID** 5228

**mRNA Refseq** NM\_001207012

**Protein Refseq** NP\_001193941

**MIM** 601121

**UniProt ID** P49763

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