

Bioactive

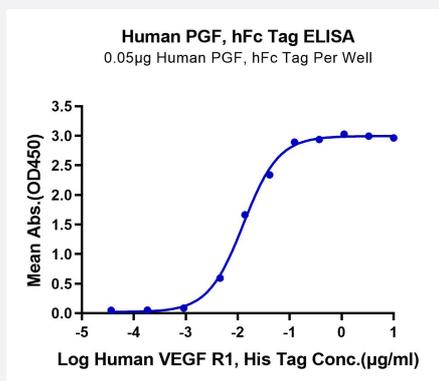
HuPro®

# PGF (Human) Recombinant Protein

Catalog # P9894

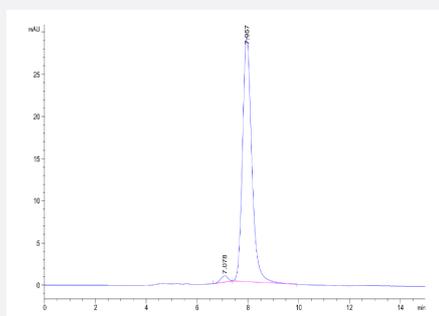
Size 100 ug

## Applications



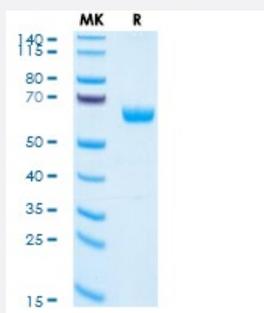
### Enzyme-linked Immunoabsorbent Assay

Immobilized Human PGF, hFc Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Human VEGF R1, His Tag with the EC<sub>50</sub> of 12.8 ng/mL determined by ELISA.



### SEC-HPLC

The purity of Human PGF is greater than 95% as determined by SEC-HPLC.



### Tris-Bis PAGE

Human PGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

## Specification

<b>Product Description</b>	Human PGF (P49763-1, Leu19-Arg221) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
<b>Sequence</b>	Leu19-Arg221
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	48.6
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by LAL method)
<b>Activity</b>	The EC <sub>50</sub> was 12.8 ng/mL, measured by ELISA at 0.5 ug/mL.
<b>Isotype</b>	PGF (Human) Recombinant Protein
<b>Quality Control Testing</b>	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human PGF is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human PGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
<b>Recommend Usage</b>	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water is > 100 ug/mL
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

## Gene Info — PGF

Entrez GeneID	<a href="#">5228</a>
Protein Accession#	<a href="#">P49763-1</a>
Gene Name	PGF
Gene Alias	D12S1900, PGFL, PLGF, PIGF-2, SHGC-10760
Gene Description	placental growth factor
Omim ID	<a href="#">601121</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	vascular endothelial growth factor-related protein placental growth factor-like
Other Designations	placenta growth factor placental growth factor, vascular endothelial growth factor-related protein placental growth factor-like

## Pathway

- [Bladder cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [mTOR signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Chorioamnionitis](#)

- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)