

## Active Recombinant Human PGF, mFc-tagged

Cat. No. PGF-28H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human PGF (Met1-Arg170) was expressed with the Fc region of mouse IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Arg170
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	<ol style="list-style-type: none"><li>1. Immobilized human PGF-mFc at 10 µg/mL (100 µL/well) can bind human VEGFR1-His. The EC<sub>50</sub> of human VEGFR1-His is 0.19-0.43 µg/mL.</li><li>2. Labeled biotin to PLGF / PGF Protein, Human, Recombinant (Fc Tag) by a certain molar ratio; Using the Octet RED System, the affinity constant (K<sub>d</sub>) of PLGF / PGF Protein, Human, Recombinant (Fc Tag), Biotinylated bound to Conbercept was 4.5 nM.</li></ol>
<b>Molecular Mass</b>	The recombinant human PGF consists 386 amino acids and predicts a molecular mass of 43.7 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE.

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
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 \[ Homo sapiens \]](#)

**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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