

## HUMAN PGF PROTEIN, HFC TAG

**Cat.#:** 11378

**Product Name:** Human PGF Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** D12S1900;PGFL;PIGF;PLGF;PIGF-2;SHGC-10760

**Target:** PGF

**UNIPROT ID:** P49763

**Description:** Recombinant Human PGF with C-terminal human Fc tag

**Background:** This gene encodes a growth factor found in placenta which is homologous to vascular endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 43.5 kDa after removal of the signal peptide. The apparent molecular mass of PGF-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** PGF(Leu19-Arg170) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

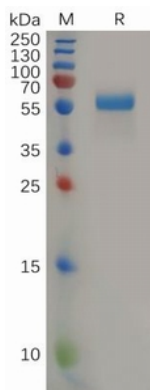


Figure 1. Human PGF Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human PGF, hFc Tagged protein ELISA

0.2 µg of Human PGF, hFc tagged protein per well

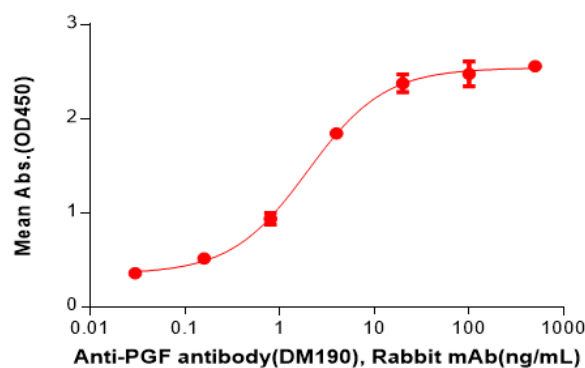


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human PGF Protein, hFc Tag(11378) can bind Anti-PGF antibody(DM190), Rabbit mAb in a linear range of 0.80-4.00 ng/mL.