



# Recombinant Protein Technical Manual

**Recombinant Mouse PGF/PlGF Protein (His Tag)(Active)**  
RPES2544

## Product Data:

**Product SKU:** RPES2544

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** P49764

## Protein Information:

**Molecular Mass:** 16.9 kDa

**AP Molecular Mass:** 30 kDa

**Tag:** C-6His

**Bio-activity:** Immobilized Human VEGFR1-Fc(Cat: PKSH033445) at 2µg/ml(100 µl/well) can bind Mouse PGF-His. The ED50 of Mouse PGF-His is 2.85µg/mL.

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:** Functional ELISA

**Synonyms:** Placenta growth factor; PlGF; Plgf; D12S1900; PGFL; PLGF; PlGF-2; SHGC0760

## Immunogen Information:

**Sequence:** Val19-Pro158

## Background:

Placental growth factor is a protein that in humans is encoded by the PGF gene. It is a secreted protein and belongs to the PDGF/VEGF growth factor family. The protein is a member of the VEGF (vascular endothelial growth factor) sub-family-a key molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. The main source of PGF during pregnancy is the placental trophoblast. PGF is also expressed in many other tissues, including the villous trophoblast.