Human PIGF / PLGF Protein (Fc Tag)

Catalog Number: 10274-H05H

**General Information**

**Gene Name Synonym:**
D12S1900; PGFL; PLGF; PlGF-2; SHGC-10760

**Protein Construction:**
A DNA sequence encoding the human PGF (NP_002623.2) (Met1-Arg170) was expressed with the Fc region of mouse IgG1 at the C-terminus.

**Source:** Human

**Expression Host:** Human Cells

**QC Testing**

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

**Bio Activity:**
1. Measured by its binding ability in a functional ELISA. 2. Immobilized human PIGF-mFc at 10 μg/mL (100 μL/well) can bind human VEGFR1-His (Cat:10136-H08H). The EC50 of human VEGFR1-His (Cat:10136-H08H) is 0.19-0.43 μg/mL.

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

**Stability:**
Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Leu 19

**Molecular Mass:**
The recombinant human PGF consists 386 amino acids and predicts a molecular mass of 43.7 kDa.

**Formulation:**
Lyophilized from sterile PBS, pH 7.4.

Normally 5% - 8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

**Usage Guide**

**Storage:**
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

**Reconstitution:**
Detailed reconstitution instructions are sent along with the products.

**References**