

# Human PGF (Fc Tag) recombinant protein



Catalog Number: 501281

## General Information

### 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.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human PGF-mFc at 10 µg/mL (100 µL/well) can bind human VEGFR1-His (Cat:503212). The EC<sub>50</sub> of human VEGFR1-His (Cat:503212) is 0.19-0.43 µg/mL.

### Purity

> 95 % as determined by SDS-PAGE.

### 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.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

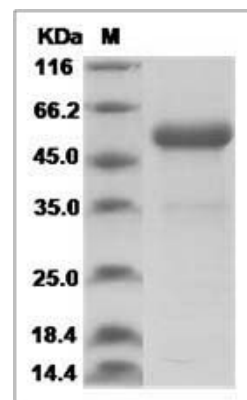
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human PIGF / PLGF Protein (Fc Tag) SDS-PAGE