

# Mouse PGF recombinant protein



Catalog Number: 500570

## General Information

### Protein Construction

A DNA sequence encoding the mouse PGF (P49764) (Met1-Pro158) was fused with five amino acids (DDDDK) at the C-terminus was expressed and purified.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse PGF at 10 µg/mL (100ul/well) can bind human VEGFR1-His (Cat:503212). The EC<sub>50</sub> of human VEGFR1-His (Cat:503212) is 0.07-0.15 µg/mL.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the 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

Val 19

## Molecular Mass

The recombinant mouse PGF consists of 146 amino acids and has a calculated molecular mass of 16.6 kDa. The recombinant protein migrates as an approximately 28 kDa band in SDS-PAGE under reducing conditions.

## 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

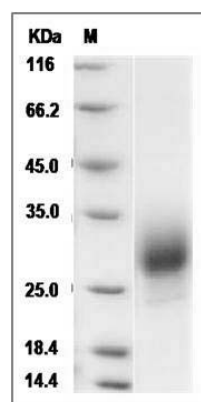
### Storage

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



Mouse PIGF / PLGF Protein SDS-PAGE