Mouse PLGF Protein

Catalog Number: 50125-MCCH

General Information

Gene Name Synonym:
AI854365; PIGF; Plgf

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.

Source: Mouse

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Bio 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:10136-H08H). The EC50 of human VEGFR1-His (Cat:10136-H08H) is 0.07-0.15 μg/mL.

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.

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℃ to -80℃ 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