

Mouse FIGF/VEGF-D (Fc Tag) recombinant protein



Catalog Number: 501152

General Information

Gene Name Synonym

c-Fos-induced growth factor

Protein Construction

A DNA sequence encoding the mature form of mouse FIGF (P97946) (Phe 98-Ser 206) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human VEGFR3-His (Cat:503816) at 10 µg/mL (100 µl/well) can bind mouse Fc-VEGFD, The EC₅₀ of mouse Fc-VEGFD is 49 ng/mL.
3. Immobilized mouse VEGFR3-His (Cat:503672) at 10 µg/mL (100 µl/well) can bind mouse Fc-VEGFD, The EC₅₀ of mouse Fc-VEGFD is 44 ng/mL.

Purity

> (65.7+30.1) % 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

Glu

Molecular Mass

The recombinant mouse FIGF/Fc is a disulfide-linked homodimer. The reduced monomer comprises 369 amino acids and has a calculated molecular mass of 40.6 kDa. The apparent molecular mass of the protein is approximately 45 and 36 kDa 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

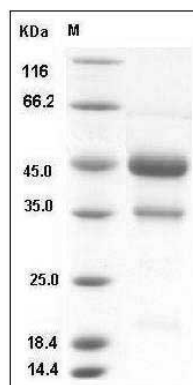
Storage

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



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SDS-PAGE