

General Information

Protein Construction

A DNA sequence encoding the rat FIGF (Phe94-Arg210) was expressed, fused with the Fc region of human IgG1 at the N-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized recombinant Rat VEGF-Dprotein (Cat:504720) at 10 µg/mL (100 µl/well) can bind biotinylated mouse VEGFR3-Fc (Cat:502816) with a linear range of 31.25-2000 ng/mL.

Purity

> 85 % 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 Rat FIGF/Fc comprises 377 amino acids and has a predicted molecular mass of 41.6 kDa. The apparent molecular mass of the protein is approximately 52 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

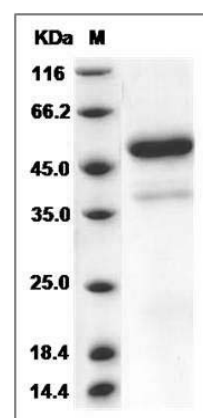
Storage

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



Rat VEGF-D / VEGFD / FIGF Protein (Fc Tag) SDS-PAGE