

Human FIGF/VEGF-D (His Tag) recombinant protein



Catalog Number: 501854

General Information

Gene Name Synonym

c-Fos-induced growth factor

Protein Construction

A DNA sequence encoding the mature form of human VEGFD (NP_004460.1) corresponding to amino acid (Phe 93-Ser 201) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is 0.3-1.6 µg/mL.

Purity

> 95 % as determined by SDS-PAGE and SEC-HPLC Analysis.

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

Phe 93

Molecular Mass

The recombinant mature form of human VEGFD consists of 120 amino acids and has a predicted molecular mass of 13.6 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 20-22 kDa due to glycosylation.

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

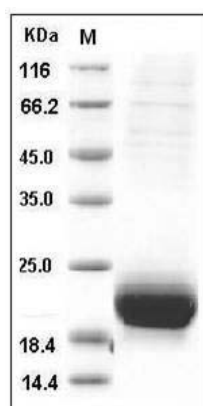
Storage

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