

Human VEGF / VEGFA / VEGF165 recombinant protein



Catalog Number: 504085

General Information

Gene Name Synonym

Vascular permeability factor

Protein Construction

A DNA sequence encoding the human VEGF 121 isoform b (P15692-9) (Met1-Asp147, with last 6 amino acids switch from CDKPRR to SLTRKD) was expressed.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

(28+70.8) % 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

Ala 27

Molecular Mass

The recombinant human VEGF consists of 121 amino acids and has a predicted molecular mass of 14 kDa. The apparent molecular mass of the human VEGF121b is approximately 20 and 16 kDa in SDS-PAGE under reducing conditions 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

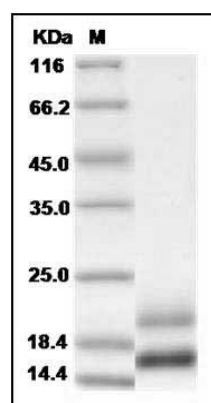
Storage

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



Human VEGF121b / VEGF-A Protein SDS-PAGE