

# Human VEGF-B (Fc Tag) recombinant protein



Catalog Number: 501923

## General Information

### Gene Name Synonym

VEGF-related factor

### Protein Construction

A DNA sequence encoding the human VEGFB (NP\_003368.1) (Pro22-Ala207) was expressed with the Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human S4-Fc3L3-VEGFB at 10 µg/ml (100 µL/well) can bind biotinylated human NRP1-Fc(Cat:500560) , The EC<sub>50</sub> of biotinylated human NRP1-Fc(Cat:500560) is 0.03-0.07µg/mL.

### Purity

> (75.2±22) % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg 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 human VEGFB consists 446 amino acids and predicts a molecular mass of 47.8 kDa.

### 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

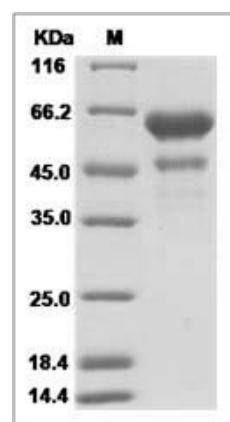
### Storage

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 VEGF-B / VEGFB Protein (Fc Tag)