

# Human VEGFR3/FLT-4 (His Tag) recombinant protein



Catalog Number: 503816

## General Information

### Gene Name Synonym

Fms-like tyrosine kinase 4; Tyrosine-protein kinase receptor FLT4

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ile 776) of human VEGFR3 (NP\_002011.2) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human VEGF-C (Cat: 500116) at 10 µg/mL (100 µl/well) can bind human VEGFR3-his. The EC<sub>50</sub> of human VEGFR3-his is 0.011 µg/mL.
3. Measured by its ability to bind human VEGF-D (Cat: 501854) in a functional ELISA.

### Purity

> 97 % 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

Tyr 25 & Ser 473

### Molecular Mass

The recombinant human VEGF R3 consists of 763 amino acids and predicts a molecular mass of 86 kDa. As a result of glycosylation, rhVEGFR3 migrates as an approximately 130 kDa in non-reduced SDS-PAGE.

### 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

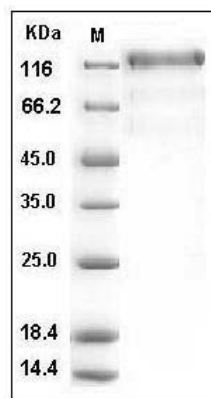
### Storage

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 VEGFR3 / FLT4 Protein (His Tag) SDS-PAGE