# Mouse VEGFR3/FLT-4 (Fc Tag) recombinant protein

Catalog Number: 502816

## General Information

### Gene Name Synonym

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

### Protein Construction

A DNA sequence encoding the mouse FLT4 (P35917-1) extracellular domain (Met 1-Glu 775) was was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind human VEGF-D (Cat: 501854) in functional ELISA.
2. Immobilized human VEGF-C (Cat: 500116) at 10 µg/mL (100 µL/well) can bind mouse VEGFR3-Fc. The $EC_{50}$ of mouse VEGFR3-Fc is 0.008 µg/mL.
3. Measured by its ability to bind with mouse FIGF-His (Cat:503314) in a functional ELISA.

### Purity

> 92 % 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℃

### Predicted N terminal

Tyr 25

### Molecular Mass

The secreted recombinant mouse FLT4/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 992 amino acids and has a predicted molecular mass of 112 kDa. As a result of glycosylation and proteolytic cleavage, rm FLT4/Fc monomer migrates as three bands (150, 85, 65 kDa) corresponding to the full length and the cleaved two polypeptides respectively 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.
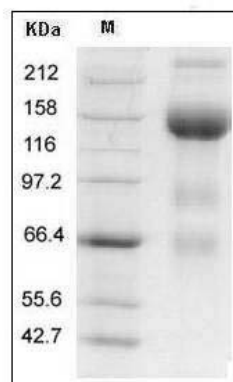
## Usage Guide

### Storage

Store it under sterile conditions at -20℃ to -80℃. 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

Mouse VEGFR3 / FLT-4 Protein (Fc Tag) SDS-        PAGE