

Mouse VEGFR3/FLT-4 (His Tag) recombinant protein



Catalog Number: 503672

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 expressed, with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse VEGFR3-His (Cat:503672) at 10 µg/mL (100 µl/well) can bind mouse Fc-VEGFD, The EC₅₀ of mouse Fc-VEGFD is 44 ng/mL.

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

Molecular Mass

The secreted recombinant mouse FLT4 consists of 762 amino acids and has a predicted molecular mass of 86.4 kDa. The apparent molecular mass of rm FLT4 is approximately 95-105 kDa due to glycosylation 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

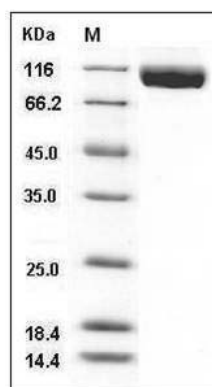
Storage

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



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