

General Information

Gene Name Synonym

Fms-like tyrosine kinase 1; Tyrosine-protein kinase receptor FLT

Protein Construction

A DNA sequence encoding the rat FLT1 (P53767) (Met1-Glu758) was expressed with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized ratFLT1-His (Cat: 500481) at 10 µg/ml (100 µl/well) can bind biotinylated mouse VEGFD-Fc (Cat: 501152) with a linear range of 0.125-2.0 µg/ml.

Purity

> 90 % 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 23

Molecular Mass

The recombinant rat FLT1 comprises 747 amino acids and predicts a molecular mass of 84 kDa. The apparent molecular mass of the recombinant protein is approximately 108-114 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

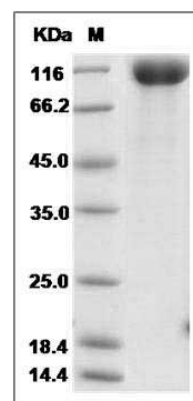
Storage

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



Rat VEGFR1 / FLT-1 Protein (His Tag) SDS-PAGE