

Human VEGFR1/FLT-1 (His Tag) recombinant protein



Catalog Number: 503081

General Information

Protein Construction

A DNA sequence encoding the human FLT1 (NP_002010.2) (Met1-Ile328) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit the VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVEC). (Conn, G. et al. ,1990 , Proc. Natl. Acad. Sci. USA 87:1323.)

The ED₅₀ for this effect is typically 10-40 ng/mL in the presence of 10 ng/mL human VEGF165.

Purity

> 90 % 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

Ser 27

Molecular Mass

The recombinant human FLT1 consists 313 amino acids and predicts a molecular mass of 35.6 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

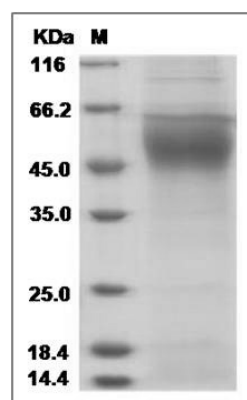
Storage

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



FLT1 protein SDS-PAGE