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_{50} 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℃

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

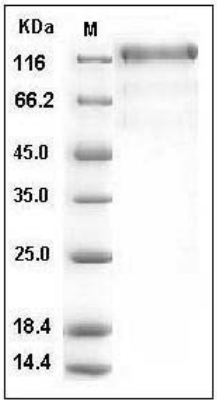
Storage

Store it under sterile conditions at -20℃ 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



Human VEGFR3 / FLT4 Protein (His Tag) SDS-PAGE