

Recombinant Human VEGFR-3/FLT-4 Protein

Catalog No.: RP00123 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2324	P35916

Tags

C-hFc&His

Synonyms

FLT4;FLT-4;FLT41;LMPH1A;PCL;VEGFR-3; VEGFR3

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
111.32 kDa	80, 100, 150-160 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The protein is a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA.

Basic Information

Description

Recombinant Human VEGFR-3/FLT-4 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Tyr25-Ile776) of human VEGFR3/FLT4 (Accession #NP_891555.2) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGF-C at 0.5 μg/mL (100 μL/well) can bind Recombinant Human VEGFR3 with a linear range of 3.92-15.70 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

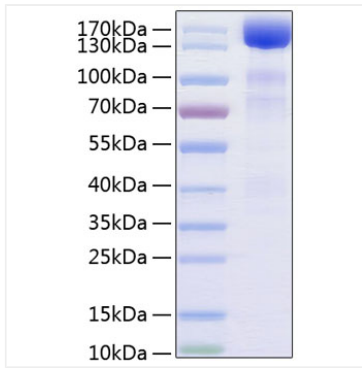
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

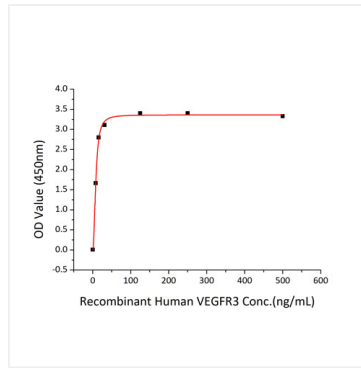
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human VEGFR-3/FLT-4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human VEGF-C, His Tag at 0.5 μ g/mL (100 μ L/well) can bind Recombinant Human VEGFR3, Fc Tag with a linear range of 3.92-15.70ng/mL.