

# 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.

### Storage

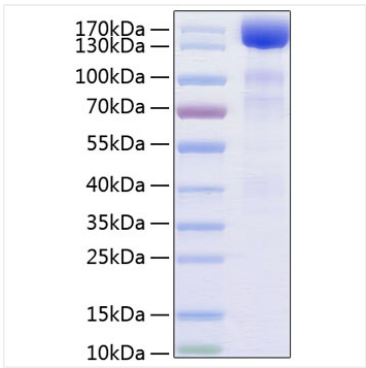
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

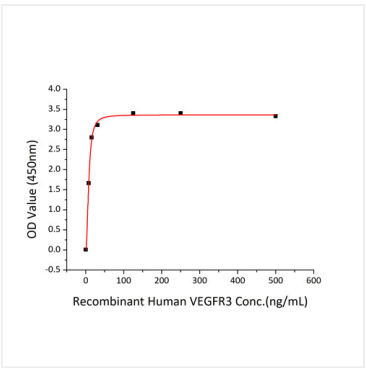
Avoid repeated freeze/thaw cycles.



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 0.5μg/mL (100 μL/well) can bind Recombinant Human VEGFR3,Fc Tag with a linear range of 3.92-15.70ng/mL.