Recombinant Human VEGFR-3/FLT-4 Protein

Catalog No.: RP00123

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Sequence Information

Species
Human

Gene ID
2324

Swiss Prot
P35916

Tags
C-hFc&His

Synonyms
FLT4,FLT-4,FLT41,LMPH1A,PCL, VEGFR-3,VEGFR3

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
111.32 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

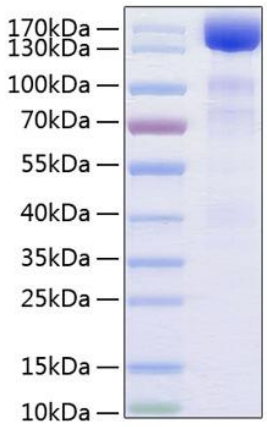
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

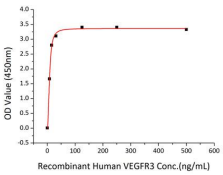
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Validation Data



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.