

Recombinant Human VEGFR-3/FLT-4 Protein

Catalog No.: RP01797

Sequence Information

Species **Gene ID**
Human 2324

Swiss Prot **Tags**
P35916 C-His

Synonyms

PCL; CHTD7; FLT-4; FLT41;
LMPH1A; LMPHM1; VEGFR3;
VEGFR-3

Product Information

Source **Purification**
HEK293 cells ≥ 90 % as
 determined by
 SDS-PAGE.

Calculated MWObserved MW
85.37 kDa 60-75, 140 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL
method

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

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.

Background

Vascular endothelial growth factor receptor 3 (VEGFR3), also known as FLT-4, together with the other two members VEGFR1 (FLT-1) and VEGFR2 (KDR/Flk-1) are receptors for vascular endothelial growth factors (VEGF) and belong to the class III subfamily of receptor tyrosine kinases (RTKs). The VEGFR3 protein is expressed mainly on lymphatic vessels but it is also up-regulated in tumor angiogenesis. Mutations in VEGFR3 have been identified in patients with primary lymphoedema. The VEGF-C/VEGF-D/VEGFR3 signaling pathway may provide a target for antilymphangiogenic therapy in prostate cancer, breast cancer, gastric cancer, lung cancer, non-small cell lung cancer (NSCLC), and so on.

Basic Information

Description

Recombinant Human VEGFR-3/FLT-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Tyr25-Ile776) of human VEGFR-3/FLT-4 (Accession #NP_002011.2) fused with 6×His tag at the C-terminus.

Activity

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°C

Operational Notes

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

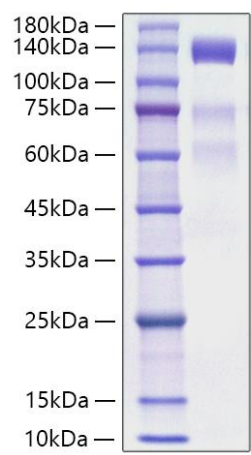
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Validation Data



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