Human VEGF R3 / FLT4 Protein, His Tag (MALS verified)

Catalog # FL4-H52H3

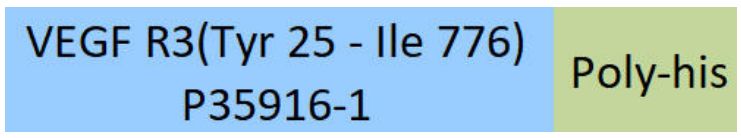
Synonym

Flt-4,FLT4,LMPH1A,PCLFLT41,VEGFR3,VEGFR-3,FLT-4,FLT-41,FLT41,PCL

Source

Human VEGF R3 Protein, His Tag(FL4-H52H3) is expressed from human 293 cells (HEK293). It contains AA Tyr 25 - Ile 776 (Accession # P35916-1). Predicted N-terminus: Tyr 25

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 86.4 kDa. The protein migrates as 120-150 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

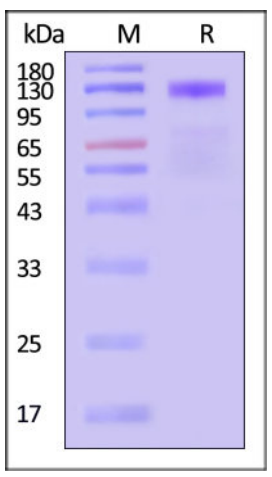
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

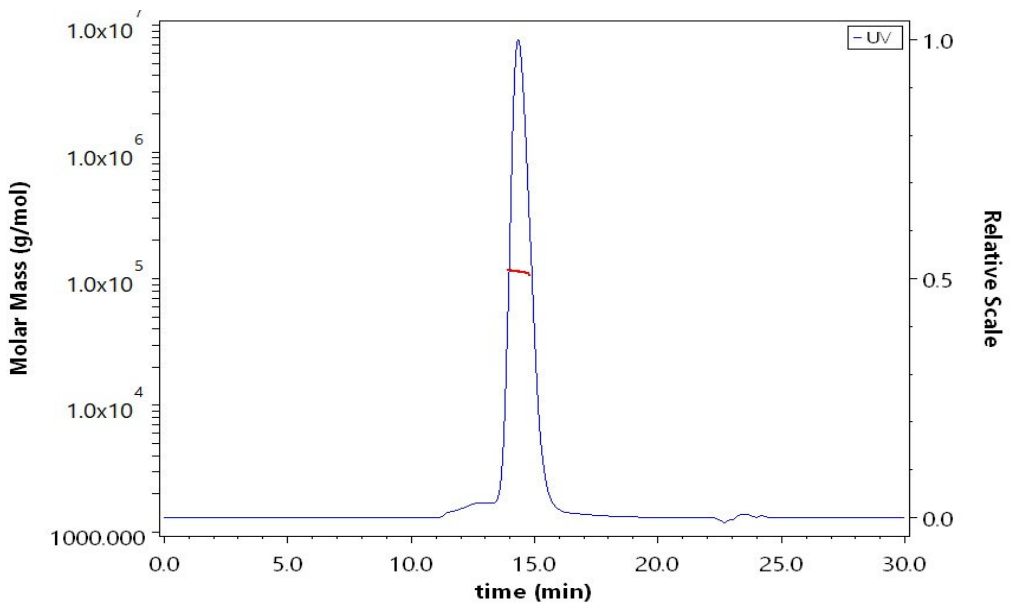
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human VEGF R3 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

SEC-MALS



The purity of Human VEGF R3 Protein, His Tag (Cat. No. FL4-H52H3) is more than 90% and the molecular weight of this protein is around 95-135 kDa verified by SEC-MALS.
Report

Background

Vascular endothelial growth factor receptor 3 (VEGF R3), 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). VEGF R3 mediates lymphangiogenesis in response to VEGF-C and VEGF-D. VEGF R3 is widely expressed in the early embryo but becomes restricted to lymphatic endothelia at later stages of development. It is likely that VEGF R3 may be important for lymph angiogenesis.