

Human VEGF-C/Flt4-L Protein



Cat. No. VEG-HM2F1

Description	
Source	Recombinant Human VEGF-C/Flt4-L Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Thr103-Arg227.
Accession	Q6FH59
Molecular Weight	The protein has a predicted MW of 40.04 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

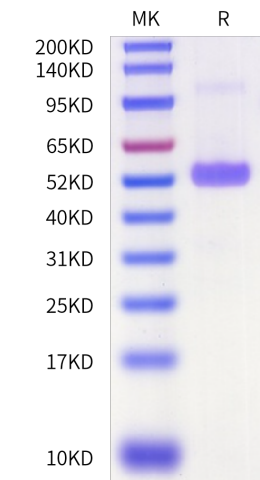
Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

the lymphangiogenic factors vascular endothelial growth factor C (VEGFC) and VEGFD are cleaved by thrombin and plasmin, serine proteases generated during hemostasis and wound healing. Genetic studies reveal that platelet enhancement of lymphatic growth after wounding is dependent on the release of VEGFC, but not VEGFD, a finding consistent with high expression of VEGFC in both platelets and avian thrombocytes.

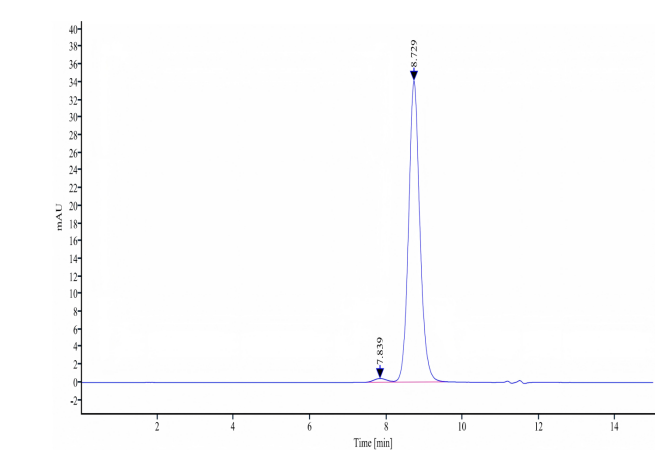
Assay Data

Bis-Tris PAGE



Human VEGF-C on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



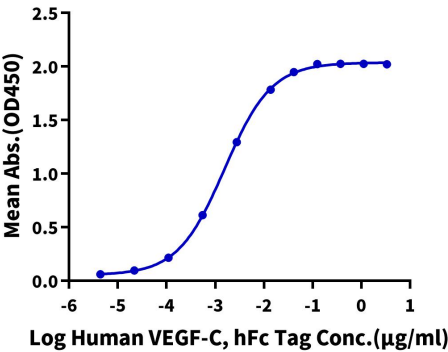
The purity of Human VEGF-C is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human VEGF-C, hFc Tag ELISA

0.1µg Human VEGF R3, His Tag Per Well



Immobilized Human VEGF R3, His Tag (Cat. VGF-HM4R3) at 1µg/ml (100µl/well) on the plate. Dose response curve for Human VEGF-C, hFc Tag with the EC50 of 1.6ng/ml determined by ELISA.