Biotinylated Human VEGF-C/Flt4-L Protein

Cat. No. VEG-HM4F1B

Description

Source	Recombinant Biotinylated Human VEGF-C/Flt4-L Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Thr103-Arg227.
Accession	Q6FH59
Molecular Weight	The protein has a predicted MW of 17.1 kDa. Due to glycosylation, the protein migrates to 23-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

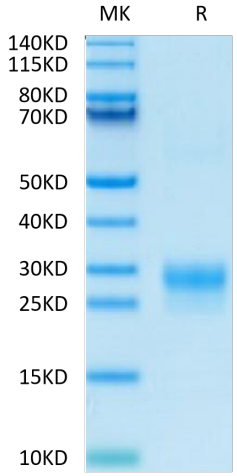
Formulation	Lyophilized from 0.22μm filtered solution in 50mM MES, 150mM NaCl (pH 6.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 50mM MES, 150mM NaCl (pH 6.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days 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.

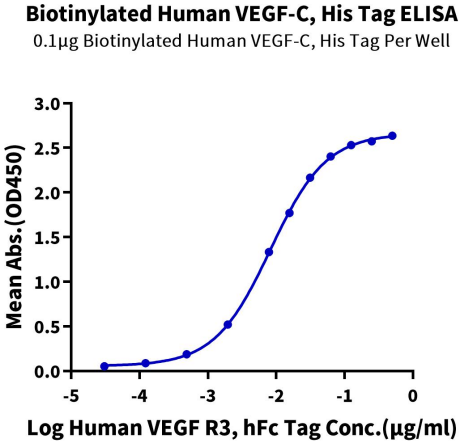
Assay Data

Tris-Bis PAGE



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

ELISA Data



Immobilized Biotinylated Human VEGF-C, His Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human VEGF R3, hFc Tag with the EC50 of 8.2ng/ml determined by ELISA.