

Datasheet for ABIN7275829

**VEGFC Protein (AA 103-227) (His-Avi Tag)****4** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	VEGFC
Protein Characteristics:	AA 103-227
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFC protein is labelled with His-Avi Tag.

## Product Details

Purpose:	Human VEGF-C/Flt4-L Protein
Sequence:	Thr103-Arg227
Characteristics:	Recombinant Human VEGF-C/Flt4-L Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Thr103-Arg227.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human VEGF-C, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human VEGF R3, hFc Tag with the EC50 of 19.8ng/ml determined by ELISA. The affinity constant of 0.29 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

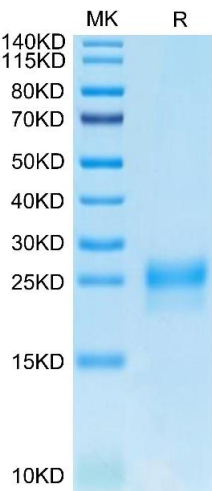
Target:	VEGFC
Alternative Name:	VEGF-C ( <a href="#">VEGFC Products</a> )
Background:	The lymphangiogenic factors vascular endothelial growth factor C (VEGFC) and VEGFD are cleaved by thrombin and plasmin, serine proteases generated during hemostasis and wound healing. Genetic studies reveal that platelet 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.
Molecular Weight:	17.1 kDa. Due to glycosylation, the protein migrates to 23-30 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q6FH59</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a>

## Application Details

Restrictions:	For Research Use only
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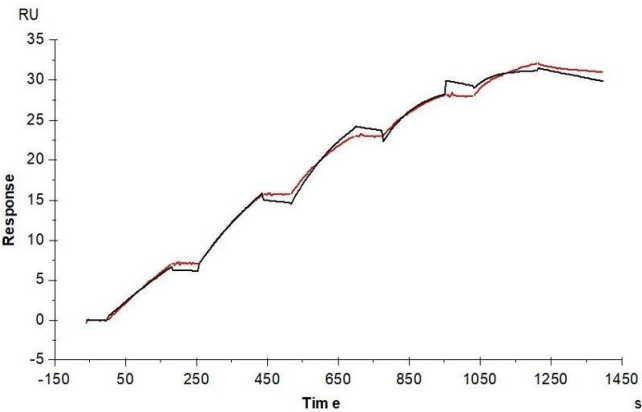
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 50 mM MES, 150 mM NaCl ( pH 6.0).
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM MES, 150 mM NaCl ( pH 6.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



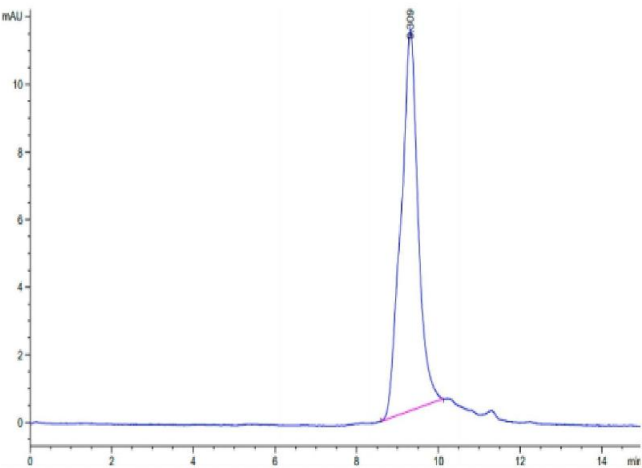
SDS-PAGE

**Image 1.** Human VEGF-C/Flt4-L on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

**Image 2.** Human VEGF R3, His Tag immobilized on CM5 Chip can bind Human VEGF-C, His Tag with an affinity constant of 0.29 nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human VEGF-C/Flt4-L Protein is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275829.