Datasheet for ABIN7275840

FLT4 Protein (AA 25-776) (His-Avi Tag,Biotin)

3 Images

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Overview

Quantity:	100 µg
Target:	FLT4
Protein Characteristics:	AA 25-776
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FLT4 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human VEGF R3/FLT4 Protein
Sequence:	Tyr25-Ile776
Characteristics:	Recombinant Biotinylated Human VEGF R3/FLT4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Tyr25-Ile776.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
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 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human VEGF R3, His Tag with the EC50 of 29.6ng/ml determined by ELISA. See testing image for detail.

Target Details

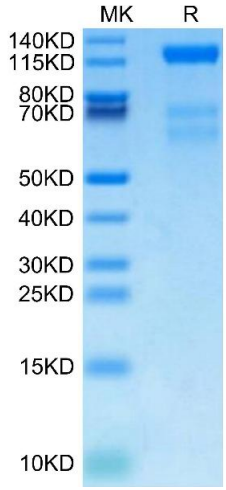
Target:	FLT4
Alternative Name:	VEGF R3 (FLT4 Products)
Background:	Vascular endothelial growth factor (VEGF) and its receptors VEGF-R1, -R2 and -R3 play important roles in tumor angiogenesis and are associated with poor prognosis in several solid tumors.VEGF-R1, -R2 and -R3 were highly expressed in CRC cells and stromal vessels. VEGF-R1 strong positive staining correlated with shorter survival after CRC surgery.
Molecular Weight:	87.4 kDa. Due to glycosylation, the protein migrates to 115-130 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGF Signaling

Application Details

Restrictions:	For Research Use only

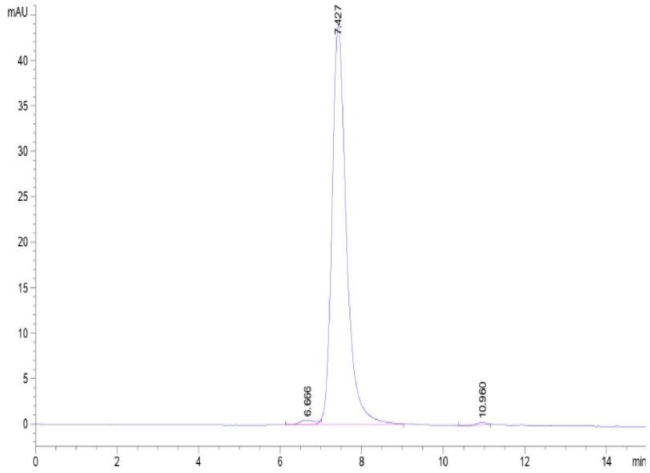
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). 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



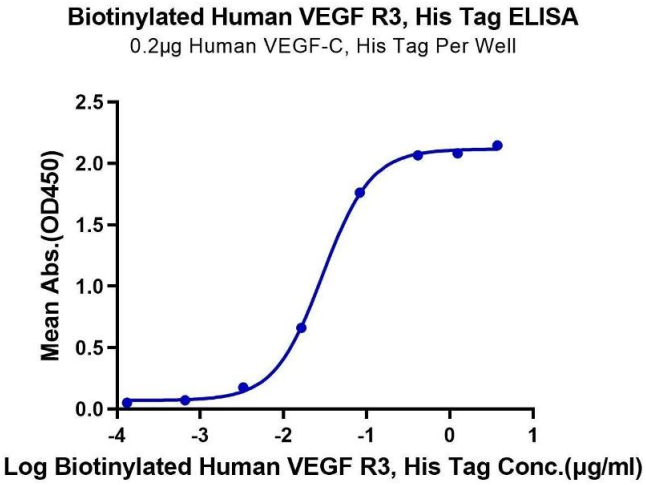
SDS-PAGE

Image 1. Biotinylated Human VEGF R3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human VEGF R3 is greater than 95 % as determined by SEC-HPLC.



ELISA

Image 3. Immobilized Human VEGF-C, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human VEGF R3, His Tag with the EC50 of 29.6 ng/mL determined by ELISA.

