antibodies

# Datasheet for ABIN7275835 FLT1 Protein (AA 27-756) (His-Avi Tag)



Overview

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Images

Quantity:	100 µg
Target:	FLT1
Protein Characteristics:	AA 27-756
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FLT1 protein is labelled with His-Avi Tag.

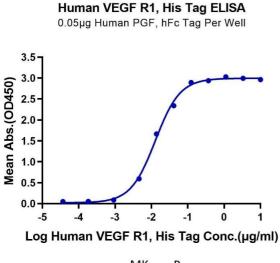
## Product Details

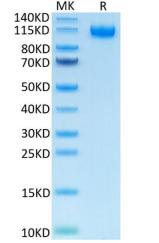
Purpose:	Human VEGF R1/FLT-1 Protein
Sequence:	Ser27-Asn756
Characteristics:	Recombinant Human VEGF R1/FLT-1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ser27-Asn756.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu$ g by the LAL method.
Biological Activity Comment:	Immobilized Human VEGF R1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response
	curve for Biotinylated Human VEGF121, His Tag with the EC50 of 36.5ng/ml determined by
	ELISA. See testing image for detail.

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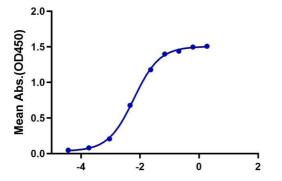
Target Details
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Target:	FLT1
Alternative Name:	VEGF R1 (FLT1 Products)
Background:	VEGFR1 (vascular endothelial growth factor receptor 1), also called Flt-1 (Fms-like tyrosine kinase), is a 180 kDa type I transmembrane glycoprotein in the class III subfamily of receptor tyrosine kinases (RTKs).yrosine-protein kinase that acts as a cell-surface receptor for VEGFA, VEGFB and PGF, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. May play an essential role as a negative regulator of embryonic angiogenesis by inhibiting excessive proliferation of endothelial cells.
Molecular Weight:	85.1 kDa. Due to glycosylation, the protein migrates to 100-120 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals
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





#### Human VEGF R1, His Tag ELISA 0.05µg Human VEGF R1, His Tag Per Well



#### ELISA

**Image 1.** Immobilized Human PGF, hFc Tag at  $0.5 \mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Human VEGF R1, His Tag with the EC50 of 12.8 ng/mL determined by ELISA.

### SDS-PAGE

**Image 2.** Human VEGF R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

#### **ELISA**

**Image 3.** Immobilized Human VEGF R1 at 0.5  $\mu$ g/mL (100  $\mu$  L/Well) on the plate. Dose response curve for Biotinylated Human VEGF121, His Tag with the EC50 of 6.1 ng/mL determined by ELISA.

Log Biotinylated Human VEGF121, His Tag Conc.(µg/ml)

Please check the product details page for more images. Overall 5 images are available for ABIN7275835.

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