

## Biotinylated Human VEGF R1/FLT-1 Protein, His-Avi Tag

### 产品信息

产品名称	产品编号	规格
	93132ES60	100 µg
Biotinylated Human VEGF R1/FLT-1 Protein, His-Avi Tag	93132ES76	500 µg
	93132ES80	1 mg

### 产品描述

VEGFR1, also called Flt-1, is a 180 kDa type I transmembrane glycoprotein in the class III subfamily of receptor tyrosine kinases (RTKs). Human VEGFR1 ECD shares 78%, 78%, 84%, 87%, and 90% aa sequence identity with mouse, rat, porcine, canine and equine VEGFR1, respectively. VEGFR1 is up-regulated during hypoxia, and participates in neovascularization and wound healing. VEGFR1 engagement on monocyte/macrophage lineage cells enhances their migration, and release of growth factors and cytokines. Lymphangiogenesis, angiogenesis, and growth-promoting effects of VEGFR1 are thought to result from enhanced migration of macrophages from the bone marrow to tumors and tissues where they recruit endothelial progenitors.

### 产品性质

<b>Synonyms</b>	FLT; FLT1; Flt-1; FRT; VEGF R1; VEGFR1
<b>Uniprot No.</b>	P17948-1
<b>Source</b>	Recombinant Biotinylated Human VEGF R1/FLT-1 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Ser27-Asn756.
<b>Molecular Weight</b>	The protein has a predicted MW of 85.1 kDa. Due to glycosylation, the protein migrates to 100-120 kDa based on Tris-Bis PAGE result.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

### 运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

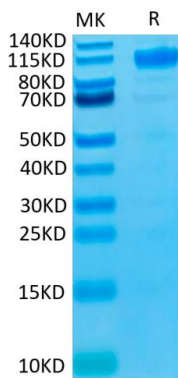
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

### 注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

## 产品数据

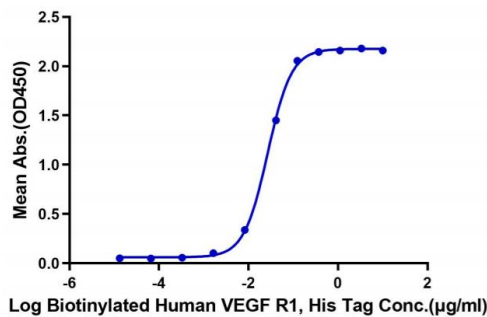
### Tris-Bis PAGE



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

### ELISA Data

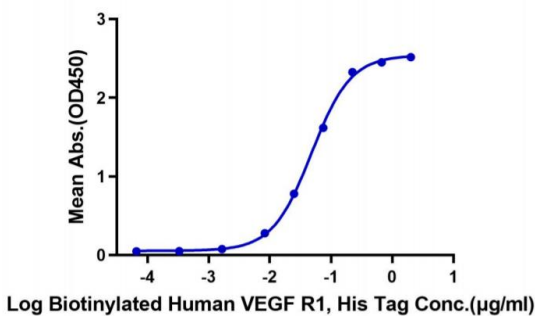
**Biotinylated Human VEGF R1, His Tag ELISA**  
 0.1 $\mu$ g Human VEGF165, No Tag Per Well



Immobilized Human VEGF165 at 1 $\mu$ g/mL (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human VEGF R1, His Tag with the EC<sub>50</sub> of 26.9ng/mL determined by ELISA.

### ELISA Data

**Biotinylated Human VEGF R1, His Tag ELISA**  
 0.05 $\mu$ g Human PGF, hFc Tag Per Well



Immobilized Human PGF, hFc Tag at 0.5 $\mu$ g/mL (100 $\mu$ l/Well) on the plate. Dose response curve for Biotinylated Human VEGF R1, His Tag with the EC<sub>50</sub> of 48ng/mL determined by ELISA.