

## Recombinant Human VEGFR2/KDR Protein, His tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human VEGFR2/KDR Protein, His tag	93281ES25	25 µg
	93281ES60	100 µg
	93281ES76	500 µg

### 产品简介

VEGFR2 is a receptor for vascular endothelial growth factor (VEGF) that mediates virtually all known cellular responses to VEGF. VEGFR2 is mainly expressed in endothelial cells and is up-regulated in tumor vascular system. Inhibition of VEGFR2 activity and its downstream signal is an important target for the treatment of angiogenic diseases.

### 性能参数

<b>Synonyms</b>	KDR;Flk-1
<b>Uniprot No.</b>	P35968
<b>Source</b>	Recombinant Human VEGFR2 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Ala 20-Glu 764.
<b>Molecular Weight</b>	The protein has a predicted MW of 85.22 kDa. And it migrates as 130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Endotoxin</b>	<0.1 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge tubes before opening. Dissolve lyophilized protein with sterile PBS to ensure the concentration is greater than 100 ug/mL.

### 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

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

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### 注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

## 产品数据

### SDS-PAGE

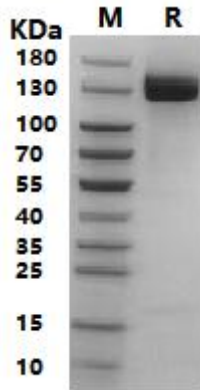


Figure 1. Human VEGFR2 on SDS-PAGE under reduced condition. The purity is greater than 95%.

### Bioactivity-Cell based assay

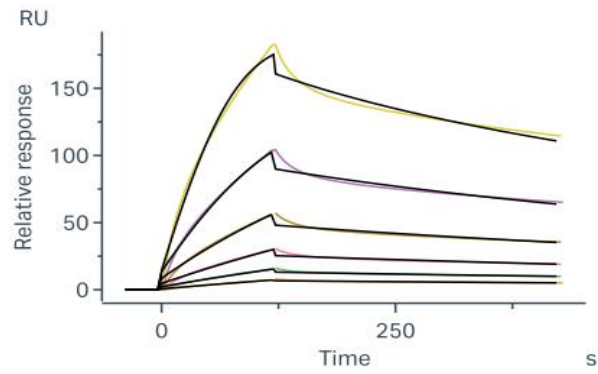


Figure 2. Human VEGF165 immobilized on CM5 chip can bind human VEGFR2 his Tag with an affinity constant of  $4.94 \times 10^{-9}$  M as determined in a SPR assay (Biacore 8K).