

## VEGF/ VEGF-A, Rat, Recombinant

货号 : PCK266

### 产品信息

别名	Vascular endothelial Growth Factor A; Vascular permeability factor; VEGF; VEGF-A; VPF
物种	Rat
表达宿主	Yeast
序列信息	Ala27-Arg190(Ala36Thr)
检索号	P16612-2
分子量	19.2 kDa
生物活性	Immobilized Rat VEGF 164 at 2µg/ml (100 µl/well) can bind Mouse VEGFR2-Fc.The ED50 of Mouse VEGFR2-Fc is 22.17 ng/ml.

### 产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	< 1.0 EU per µg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.



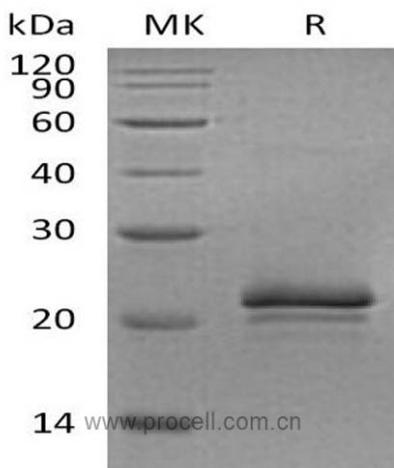
## 复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

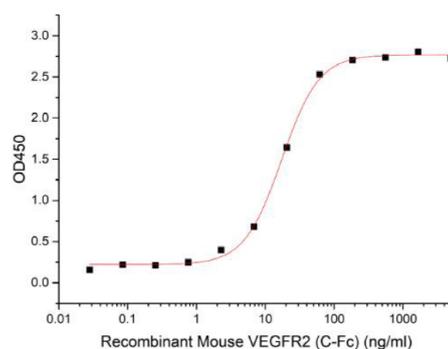
## 背景介绍

Vascular endothelial Growth Factor (VEGF/ VEGF-A ) is originally known as vascular permeability factor (VPF). It belongs to the PDGF family with a cysteine-knot structure comprised of eight conserved cysteine residues, and reckoned as a potent mediator in the process of angiogenesis and vasculogenesis in either fetus or adult. VEGF is particularly expressed in supraoptic , paraventricular nuclei and the choroid plexus of the pituitary, and abundant in the corpus luteum of the ovary and in kidney glomeruli. The rat VEGF Protein contains a putative 20 amino acids (aa) signal peptide, and alternative splicing of rat VEGF gene produces isoforms of 120, 144, 164 and 188 aa. Rat VEGF164 respectively displays 97% and 88% aa identity with that regions of mouse and human VEGF. VEGF can bind to the FLT1/ VEGFR1 and KDR/ VEGFR2 Receptors, heparan sulfate and heparin, and play important roles in inducing endothelial cell proliferation, promoting cell migration, inhibiting apoptosis and inducing permeabilization of blood vessels.

## SDS-PAGE



## 生物活性



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