

### VEGF165/VEGF-A, Human, Recombinant

货号: PCK267

## 产品信息

别名 VPF, Folliculostellate cell-derived growth factor, Glioma-derived endothelial cell Pricella

mitogen

物种 Human

表达宿主 E.coli

序列信息 MAPMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYPDEIEYIFKPS

> CVPLMRCGGCCNDEGLECVPTEESNITMQIMRIKPHQGQHIGEMSFLQHNK CECRPKKDRARQENPCGPCSERRKHLFVQDPQTCKCSCKNTDSRCKARQL

ELNERTCRCDKPRR with polyhistidine tag at the C-terminus.

检索号 P15692.2

分子量 20.11 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce HUVEC cells proliferation. The ED50 for this

effect is <5 ng/mL. The specific activity of recombinant human VEGF165 is

approximately >1.4 x 10<sup>6</sup> IU/mg.

# 产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,

> store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1%BSA,10%FBS,5%HSA or 5% trehalose solution),

protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH

8.0.

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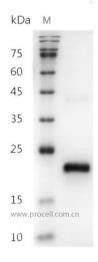
#### 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100  $\mu$ g/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

Vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), is a signal protein produced by cells that stimulates the formation of blood vessels. VEGF is required during embryogenesis to regulate the proliferation, migration, and survival of endothelial cells. In adults, VEGF functions mainly in wound healing and the female reproductive cycle. Pathologically, it is involved in tumor angiogenesis and vascular leakage. Circulating VEGF levels correlate with disease activity in autoimmune diseases such as rheumatoid arthritis, multiple sclerosis and systemic lupus erythematosus. VEGF is induced by hypoxia and cytokines such as IL-1, IL-6, IL-8, oncostatin M and TNF-alpha.

**SDS-PAGE** 



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