

VEGF-A/VEGF165, Human, Recombinant**Cat. No. : GPCK015****产品信息**

物种	Human
表达宿主	Human Cells
序列信息	Ala27-Arg191
检索号	P15692-4
分子量	19.1 kDa
有效期	12 months
生物活性	Immobilized Human VEGF165 at 10 µg/mL (100 µL/well) can bind Human VEGFR1-Fc. The ED50 of Recombinant Human VEGFR1-Fc is 36.4 ng/mL.

产品特性

内毒素 (EU/µg)	< 0.1
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 20 mM Citrate, 8% Sucrose, 4% Mannitol, 0.05% Tween 80, pH 4.0.
复溶	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 sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Human Vascular Endothelial Growth Factor (VEGF), also known as VEGF-A and vascular Permeability Factor (VPF), belongs to the platelet-Derived Growth Factor family of cysteine-knot growth factors. It is a potent activator in vasculogenesis and angiogenesis both physiologically and pathologically. VEGF-A has 8 differently spliced isoforms, of which VEGF165 is the most abundant one. VEGF165 is a disulfide-linked homodimer consisting of two glycosylated 165 amino acid polypeptide chains. VEGF stimulates the cellular response through binding to tyrosine kinase Receptors VEGFR1 and VEGFR2 on the cell surface. It is widely accepted that VEGFR2 mediate almost all of the known cellular responses to VEGF while the function of VEGFR1 is less defined and is thought to modulate the VEGFR2 signaling.

