Recombinant Human VEGF165(C-His)

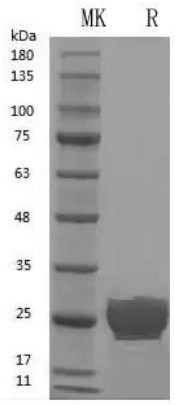
Catalog#:PCH2559

概述（Summary）

别称（Alternative Names）	Vascular Endothelial Growth Factor Isoform 165; VEGF165
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	≤10 EU/mg
蛋白构建（Construction）	【Ala27-Arg191】-6His
Accession #	P15692
表达宿主（Host）	CHO
种属（Species）	Human
预测分子量（Predicted MW）	20 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS,5% mannitol and 0.01% Tween 80, pH7.4
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
背景介绍（References）	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

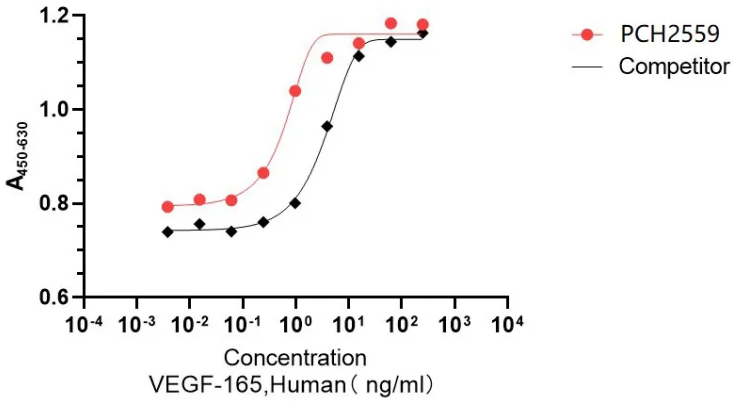
binding to tyrosine kinase receptors VEGFR1 and VEGFR2 on the cell surface. It is widely accepted that VEGFR2 mediate almost all of the known cellular responses to VEGF while the function of VEGFR1 is less defined and is thought to modulate the VEGFR2 signaling.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE

活性图（Bioactivity image）



Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED50 for this effect is 0.2-5 ng/mL

注意事项（Note）

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