CHAMOT

重组小鼠/大鼠血管内皮生长因子165 /Recombinant VEGF165，Mouse/Rat，Animal-Free

CM090-5MP

CM090-20MP

CM090-100MP

CM090-500MP

CM090-1000MP

CHAMOT

乔 默® 生 物

Specialize In Cytokines

CONTENT

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Product Datasheet

重组小鼠/大鼠血管内皮生长因子165 /Recombinant VEGF165, Mouse/Rat, Animal-Free

产品编号	CM090-5MP	CM090-20MP	CM090-100MP	CM090-500MP	CM090-1000MP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

产品简介

背景描述	Vascular Endothelial Growth Factors 165 (VEGF165) is a potent growth and angiogenic cytokine which belongs to the VEGF family, includes VEGF-A, VEGF-B, VEGF-C, VEGF-D, VEGF-E, and PIGF. VEGF165 is an abundant glycosylated cytokine composed of two identical 165 amino acid chains. VEGF165 plays an important role in embryonic vasculogenesis, angiogenesis and neurogenesis.
别称	vascular endothelial growth factor 165, VPF, Folliculostellate cell-derived growth factor, Glioma-derived endothelial cell mitogen
蛋白编码	Q00731(Mouse), P16612(Rat)
分子量	The protein has a calculated MW of 20.22 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
表达系统	Escherichia coli
纯度	>98% as determined by SDS-PAGE.
生物活性	Measure by its ability to induce proliferation in HUVEC cells. The ED_{50} for this effect is <10 ng/mL.
内毒素检测	<0.1 EU per 1 μg of the protein by the LAL method.
蛋白序列	MAPTTEGEQKSHEVIKFMDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPSCVPLMRCAGCCNDEALECVPTSESNITMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPENHCEPCSERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR with polyhistidine tag at the C-terminus.
交叉反应	Rat (98.17%)
产品形式	The protein was lyophilized from a 0.2 μm filtered solution containing 50 mM Tris, 500 mM NaCl, pH 8.5. If you have any concerns or special requirements, please confirm with us.

产品应用	Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2.Initial Reconstitution

• Reconstitute the Lyophilized Protein in sterile H_2O to a concentration of 100-200 μg/mL.

• Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

• Store at 2°C to 8°C for up to 1 week.

3.Extended Storage

• After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 μg/ml.

• Prepare aliquots (≥20 μl).

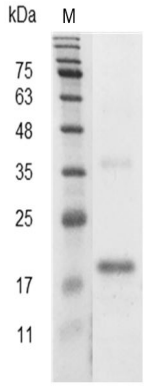
• Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

储存	**Lyophilized Protein:** Store at -20°C for 1 year. **Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week. **Extended Storage:** Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.
运输	Blue Ice

实验数据展示



SDS-PAGE analysis of recombinant mouse VEGF165

文献引用

- DNA-Based Hydrogels with Multidrug Sequential Release for Promoting Diabetic Wound Regeneration. JACS Au. 2023 Aug 29;3(9):2597-2608.(IF 8) (Mouse VEGF-α)
- Quercetin alleviates liver fibrosis via regulating glycolysis of liver sinusoidal endothelial cells and neutrophil infiltration.Biomol Biomed. 2024 Oct 17;24(6):1806-1815. (IF 3.1)(Mouse VEGF)

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