

CHAMOT

重组小鼠/大鼠血管内皮生长因子121 /Recombinant VEGF121, Mouse/Rat, Animal-Free

CM068-5MP

CM068-20MP

CM068-100MP

CM068-500MP

CM068-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组小鼠/大鼠血管内皮生长因子121 /Recombinant VEGF121, Mouse/Rat, Animal-Free

产品编号	CM068-5MP	CM068-20MP	CM068-100MP	CM068-500MP	CM068-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Vascular Endothelial Growth Factors 121 (VEGF121) is a truncated version of VEGF165, which produced in E. coli is a homodimer, non-glycosylated, polypeptide chain and having a molecular mass of 28.4 kDa. There is three different isoforms (120, 164 and 188 a.a.) found in mouse. VEGF 121 shows that lack basic heparin-binding regions and are freely diffusible. Mouse VEGF121 shares 98% identity with corresponding regions of rat, 89% with canine, feline, equine and porcine, and 87% with human, ovine and bovine VEGF, respectively.

别称

vascular endothelial growth factor 121, VPF

蛋白编码

Q00731(Mouse), P16612(Rat)

分子量

The protein has a calculated MW of 15.01 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Measure by its ability to induce proliferation in HUVEC cells. The ED₅₀ for this effect is <3 ng/mL.

内毒素检测

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

蛋白序列

MAPTTEGEQKSHEVIKFMDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPSCVPLMRCAGCCNDEALECVPTSESNITMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPEKCDKPRR with polyhistidine tag at the C-terminus.

交叉反应

Rat (97.5%)

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

产品使用

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

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O 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.

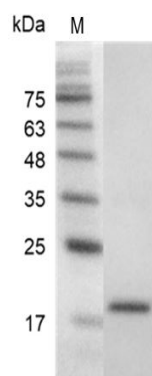
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 VEGF121

For Research Use or Further Manufacturing Only

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