

CHAMOT

**重组猪血管内皮生长因子 /Recombinant VEGF-A,
Swine, Animal-Free**

CM020-5SP

CM020-20SP

CM020-100SP

CM020-500SP

CM020-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组猪血管内皮生长因子 /Recombinant VEGF-A, Swine, Animal-Free

产品编号	CM020-5SP	CM020-20SP	CM020-100SP	CM020-500SP	CM020-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 Swine Vascular endothelial Growth Factors (VEGF) is a protein that stimulate vasculogenesis and angiogenesis. SwineVEGF containing 165 residues with polyhistidine tag at the C-terminus. Swine VEGF is proteins involve in embryonic development, new blood vessels repairing, and new vessels (collateral circulation) bypassing blocked vessels.

别称 vascular endothelial growth factor, VEGFA

蛋白编码 P49151

分子量 The protein has a calculated MW of 20.16 kDa. The protein migrates as 17-25 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 Testing in process

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

蛋白序列 MAPMAEGDQKPHEVVKFMDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPSCVPLMRCGGCCND EGLECVPTTEEFNITMQIMRIKPHQGQHIGEMSFLQHNKCECRPKKDRAQENPCGPCSERRK HLFVQDPQTCKSCKNTDSRCKARQLELNERTCRCDKPRR with polyhistidine tag at the C-terminus.

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 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

Lyophilized Protein: Store at -20°C for 1 year.

储存

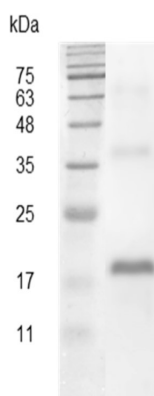
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 swine VEGF

For Research Use or Further Manufacturing Only

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