

CHAMOT

重组猪成纤维生长因子-2/碱性成纤维细胞生长因子
/Recombinant FGF-2 (bFGF/basic FGF) , Swine,
Animal-Free

CM019-5SP

CM019-20SP

CM019-100SP

CM019-500SP

CM019-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

重组猪成纤维生长因子-2/碱性成纤维细胞生长因子 /Recombinant FGF-2 (bFGF/basic FGF) , Swine, Animal-Free

产品编号	CM019-5SP	CM019-20SP	CM019-100SP	CM019-500SP	CM019-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 Basic fibroblast Growth Factors (FGF-2, bFGF), a pleiotropic cytokine, plays multiple roles in different cells and tissues. FGF-2 can stimulate smooth muscle cell growth, wound healing, and tissue repair. In addition, FGF-2 has been shown to regulate the generation of neurons and astrocytes from progenitor cells. FGF-2 are also involved in a variety of biological processes, including embryonic development, morphogenesis, tissue repair, tumor growth, and invasion. As a multifunctional cytokine, FGF-2 is first isolated from the pituitary. Later, it was identified from various cell types including cardiac myocytes, cardiac fibroblasts, endothelial cells, and smooth muscle cells.

别称	fibroblast growth factor 2, Fgfb, bFGF, FGF-basic
蛋白编码	NP_001392443
分子量	The protein has a calculated MW of 18.1 kDa. The protein migrates as 17 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 3T3 cells. The ED ₅₀ for this effect is <2 ng/mL.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	AAGSITTLPALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVREKSDPHIKLQLQ AEERGVVSIKGVCANRYLAMKEDGRLLASAKCVTDECFFFERLESNNYNTYRSRKYSSWYVALK RTGQYKLGPKTGPGQKAILFLPMSAKS with polyhistidine tag at the N-terminus.
产品形式	The protein was lyophilized from a 0.2 µm filtered solution containing 0.01% sarkosyl in 1X PBS, pH 7.4. 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 ($\geq 20 \mu\text{l}$).
- 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

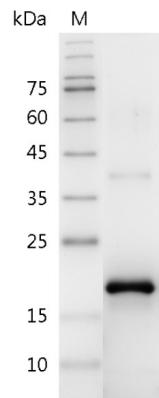
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 FGF-2

For Research Use or Further Manufacturing Only

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