

CHAMOT

重组猪胰岛素样生长因子-I /Recombinant IGF-I,
Swine, Animal-Free

CM023-5SP



CM023-20SP



CM023-100SP



CM023-500SP



CM023-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

重组猪胰岛素样生长因子-I /Recombinant IGF-I, Swine, Animal-Free

产品编号	CM023-5SP	CM023-20SP	CM023-100SP	CM023-500SP	CM023-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Insulin Like Growth Factors 1 (IGF-I) is a 7.79 kDa member of the Insulin-like Growth Factors with 71 amino acid residues. IGF-I is mainly expressed from liver, adipose tissue, cervi, endometrial stromal cells, leydig cells, and can be isolated from plasma. IGF-I is mediating the protein anabolic and promoting effect of pituitary growth hormone. IGF-I also affects metabolism of glycogen, DNA synthesis and glucose uptake via binding to IGF-I receptor.

别称

insulin-like growth factor-I, IGF-1, Npt2B

蛋白编码

P16545

分子量

The protein has a calculated MW of 8.59 kDa. The protein migrates below 11 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

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

MGPETLCGAEVLVDALQFVCGDRGFYFNKPTGYGSSSRAPQTGIVDECCFRSCDLRRLEMYCA
PLKPAKSA 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 ($\geq 20 \mu\text{l}$).
- 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 IGF-I

For Research Use or Further Manufacturing Only

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