

CHAMOT

**重组小鼠胰岛素样生长因子-II /Recombinant IGF-II,
Mouse, Animal-Free**

CM095-5MP

CM095-20MP

CM095-100MP

CM095-500MP

CM095-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

重组小鼠胰岛素样生长因子-II /Recombinant IGF-II, Mouse, Animal-Free

产品编号	CM095-5MP	CM095-20MP	CM095-100MP	CM095-500MP	CM095-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Mouse Insulin Like Growth Factors 2 (IGF-II) is a 7.34 kDa member of the Insulin-like Growth Factors with 67 amino acid residues. IGF-II is mainly expressed from early embryonic somatic tissues, liver, and epithelial cells lining the surface of the brain. IGF-II is mediating the embryonic development and placental growth, while also promoting tumor growth. IGF-II affects regulation of cell proliferation, growth, migration, differentiation and survival via binding to IGF-I receptor.

别称

insulin-like growth factor-II, AL033362, Igf-2, M6pr, Mpr, Peg, Peg2

蛋白编码

P09535

分子量

The protein has a calculated MW of 8.20 kDa. The protein migrates about 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

Measure by its ability to induce MCF-7 cells proliferation. The ED₅₀ for this effect is <6 ng/mL. The specific activity of recombinant mouse IGF-II is > 1.5 x 10⁵ IU/mg.

内毒素检测

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

蛋白序列

AYGPGETLCGGELVDLTQFVCSDRGFYFSRPSSRANRRSRGIVECCFRSCDLALLETYCATPAK SE with polyhistidine tag at the N-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

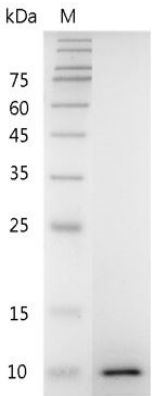
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491