

CHAMOT

**重组小鼠表皮生长因子 /Recombinant EGF, Mouse,
Animal-Free**

CM065-100MP

CM065-500MP

CM065-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组小鼠表皮生长因子 /Recombinant EGF, Mouse, Animal-Free

产品编号	CM065-100MP	CM065-500MP	CM065-1000MP
规格	100 µg	500 µg	1 mg

产品简介

背景描述

Epidermal Growth Factors (EGF) is a member of the EGF-family of proteins. EGF is mainly secreted from ectodermal cells, monocytes, kidney and duodenal glands. Upon binding to its receptor, EGFR, EGF acts to stimulate cell growth and proliferation of epithelial cells, play important roles in many developmental processes including accelerate tooth eruption, inhibits gastric acid secretion, and involve in wound healing.

别称

epidermal growth factor, Urogastrone, URG

蛋白编码

P01132

分子量

The protein has a calculated MW of 6.98 kDa. The protein migrates as 8 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>98% as determined by SDS-PAGE and SEC-HPLC.

生物活性

Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <80 pg/mL. The specific activity of recombinant mouse EGF is approximately >1 x 10⁷ IU/mg.

内毒素检测

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

蛋白序列

MNSYPGCPSSYDGYCLNGGVCMHIESLDSYTCNCVIGYSGDRCQTRDLRWWELR 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

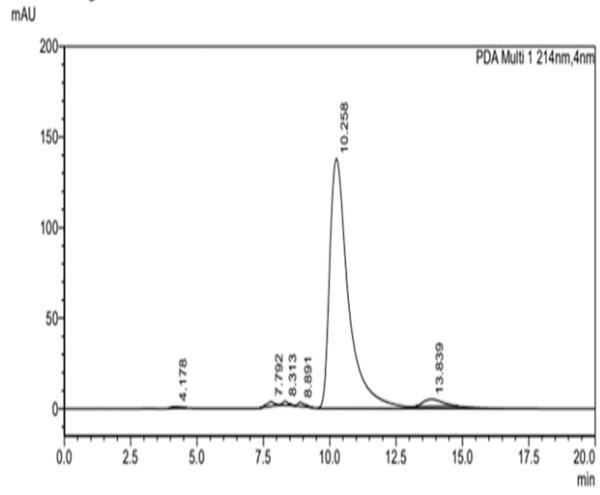
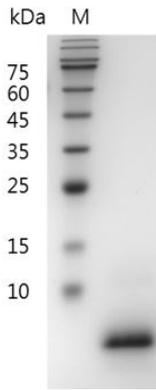
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 mouse EGF

The purity of recombinant mouse EGF is greater than 98% as determined by SEC-HPLC.

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