

CHAMOT

**重组小鼠神经生长因子 β /Recombinant beta-NGF,
Mouse, Animal-Free**

CM086-5MP

CM086-20MP

CM086-100MP

CM086-500MP

CM086-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组小鼠神经生长因子β /Recombinant beta-NGF, Mouse, Animal-Free

产品编号	CM086-5MP	CM086-20MP	CM086-100MP	CM086-500MP	CM086-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Beta-Nerve Growth Factors (Beta-NGF) is a 27 kDa cytokine with 241 amino acid residues. Beta-NGF belongs to neurotrophin family, and acts as neurotrophic factors. It's composed of alpha, beta, gamma subunits, and the beta subunit is related to its biological activity. Beta-NGF binds to p75 neurotrophin receptor and Trk receptor and their function is about cell death and survival, respectively.

别称

nerve growth factor-beta, β-Nerve Growth Factor, NGF-β

蛋白编码

P01139

分子量

The protein has a calculated MW of 14.41 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

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

生物活性

Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <1ng/mL. The specific activity of recombinant mouse beta-NGF is > 1 x 10⁶ IU/mg.

内毒素检测

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

蛋白序列

MSSTHPVFHMGESVCDSSVSVWVGDKTTATDIKGKEVTVLAEVNINNSVFRQYFFETKCRAS NPVESGCRGIDSKHWNSYCTTTHTFVKALTTDEKQAAWRFIRIDTACVCVLSRKATRRG 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

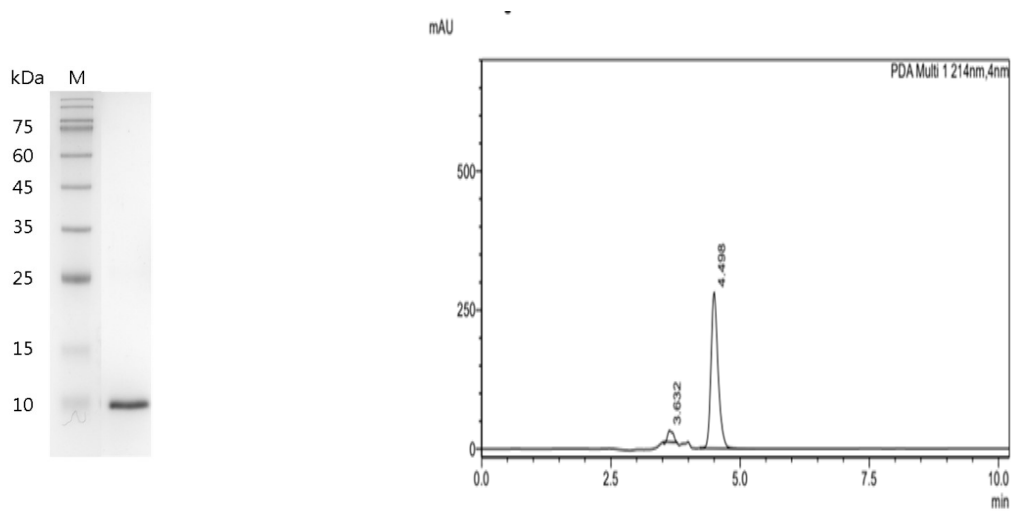
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 beta-NGF The purity of recombinant mouse beta-NGF is greater than 98% as determined by RP-HPLC.

For Research Use or Further Manufacturing Only

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