

CHAMOT

**重组人转化生长因子 β -2 /Recombinant TGF beta 2,
Human, Animal-Free**

CM089-5HP

CM089-20HP

CM089-100HP

CM089-500HP

CM089-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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产品编号	CM089-5HP	CM089-20HP	CM089-100HP	CM089-500HP	CM089-1000HP
规格	5 μ g	20 μ g	100 μ g	500 μ g	1 mg

产品简介

背景描述

Transforming Growth Factors beta 2 (TGF β -2) is a 12.85 kDa member of the epidermal Growth Factors with 113 amino acid residues. TGF β -2 is expressed from throughout the body. TGF β -2 is a regulator of cell proliferation, differentiation, apoptosis, cell plasticity and migration, etc. TGF- β -2 also associates with various kinds of diseases, such as cancer and tissue fibrosis.

别称

transforming growth factor beta 2, G-TSF, LDS4, TGFB2

蛋白编码

P61812

分子量

The protein has a calculated MW of 13.66 kDa. The protein migrates as 15 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 inhibit IL-4-induce proliferation in HT-2 cells. The ED₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant human TGF beta 2 is > 5 x 10⁶ IU/mg.

内毒素检测

<0.01 EU per 1 μ g of the protein by the LAL method.

蛋白序列

MALDAAYCFRNVQDNCCLRPYIDFKRDLGWKWIHEPKGYNANFCAGACPYLWSSDTQHRSR
VLSLYNTINPEASASPCCVSQDLEPLTILYIGKTPKIEQLSNMIVKSKCS with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 μ m 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 10 mM HCl 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

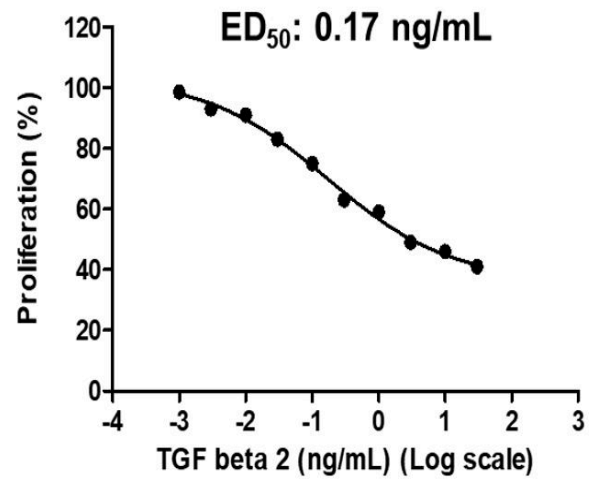
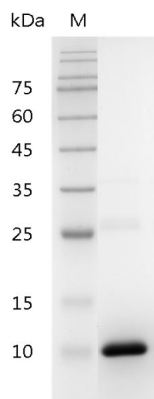
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 human TGF beta 2 Human TGF Beta 2, His Tag, E. coli inhibited IL-4-induced HT-2 cell proliferation, with the ED₅₀ at 0.17 ng/mL.

For Research Use or Further Manufacturing Only

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