

CHAMOT

**重组人转化生长因子 β -3 /Recombinant TGF beta 3,
Human, Animal-Free**

CM168-5HP

CM168-20HP

CM168-100HP

CM168-500HP

CM168-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人转化生长因子 β -3 /Recombinant TGF beta 3, Human, Animal-Free

产品编号	CM168-5HP	CM168-20HP	CM168-100HP	CM168-500HP	CM168-1000HP
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 3 (TGF-beta 3) is belonging to the TGF- β superfamily TGF- β 3 is 86%, 91% similar to TGF- β 1 and TGF- β 2. TGF-beta 3 is a 12.8 kDa protein containing 412 amino acids, which could inhibitor of DNA synthesis, increases cellular proliferation, essential mediator of EMT in cardiac morphogenesis, and up-regulated by milk stasis and induces apoptosis in mammary gland epithelium during involution.

别称

transforming growth factor beta 3, ARVD, ARVD1, LDS5, RNHF, TGFB3, TGF-B3

蛋白编码

P10600

分子量

The protein has a calculated MW of 13.66 kDa. The protein migrates as 13 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 <50 pg/mL. The specific activity of recombinant human TGF beta 3 is > 2 x 10⁷ IU/mg.

内毒素检测

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

蛋白序列

MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYLRSADTTHSTV LGLYNTLNPEASAPCCVPQDLEPLTILYVGRTPKVEQLSNMVKCKCS with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 μ m filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5. 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

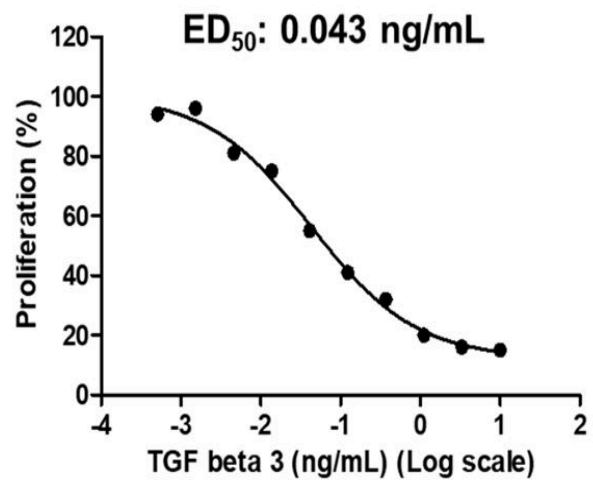
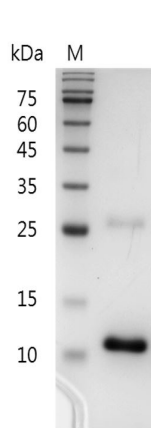
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 3 Human TGF Beta 3, His Tag, E. coli inhibited IL-4-induced HT-2 cell proliferation, with the ED₅₀ at 43 pg/mL.

For Research Use or Further Manufacturing Only

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