

# CHAMOT

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

CM168-5HP



CM168-20HP



CM168-100HP



CM168-500HP



CM168-1000HP



CHAMOT

乔默<sup>®</sup>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 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

<b>背景描述</b>	Transforming Growth Factors-Beta 3 (TGF-beta 3) is belonging to the TGF-β superfamily TGF-β3 is 86%, 91% similar to TGF-β1 and TGF-β2. 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.
<b>别称</b>	transforming growth factor beta 3, ARVD, ARVD1, LDS5, RNHF, TGFB3, TGF-B3
<b>蛋白编码</b>	P10600
<b>分子量</b>	The protein has a calculated MW of 13.66 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>98% as determined by SDS-PAGE.
<b>生物活性</b>	Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED <sub>50</sub> for this effect is <50 pg/mL. The specific activity of recombinant human TGF beta 3 is > 2 x 10 <sup>7</sup> IU/mg.
<b>内毒素检测</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>蛋白序列</b>	MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKVVHEPKGYYANFCSGPCPYLRSADTTHSTV LGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMVKSCCKCS with polyhistidine tag at the C-terminus.
<b>产品形式</b>	The protein was lyophilized from a 0.2 µm 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.
<b>产品应用</b>	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 ( $\geq 20 \mu\text{l}$ ).
- 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

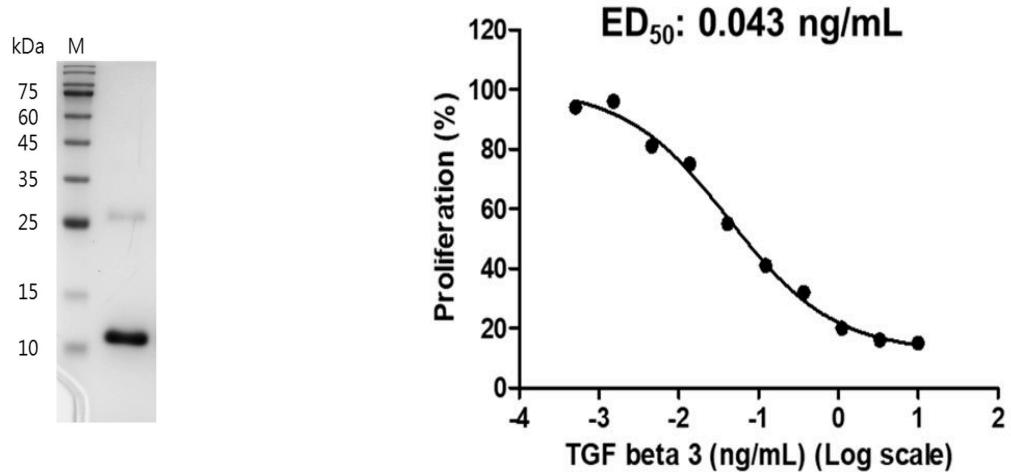
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 ED<sub>50</sub> at 43 pg/mL.

For Research Use or Further Manufacturing Only

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