

# CHAMOT

**重组人肿瘤坏死因子 $\beta$  /Recombinant TNF beta,  
Human, Animal-Free**

**CM047-5HP**

**CM047-20HP**

**CM047-100HP**

**CM047-500HP**

**CM047-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*

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## 重组人肿瘤坏死因子β /Recombinant TNF beta, Human, Animal-Free

产品编号	CM047-5HP	CM047-20HP	CM047-100HP	CM047-500HP	CM047-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

**背景描述** Human TNF beta (Lymphotoxin-alpha) is a 22 kDa cytokine with 205 amino acid residues. TNF beta belongs to tumor necrosis factor (TNF) superfamily as TNF alpha. Binding to lymphotoxin-β receptor (LtβR), canonical and non-canonical NF-κB signal pathway will be activated. TNF beta is related to apoptosis and inflammatory signals

**别称** tumor necrosis factor beta, TNFSF1B, Lymphotoxin-alpha (LT-α),LTA

**蛋白编码** P01374

**分子量** The protein has a calculated MW of 18.65 kDa. The protein migrates as 21 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 induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED<sub>50</sub> for this effect is <3 pg/mL. The specific activity of recombinant human TNF beta is > 3.3x 10<sup>8</sup> IU/mg.

**内毒素检测** <0.1 EU per 1 µg of the protein by the LAL method.

**蛋白序列** LPGVGLTPSAAQTARQHPKMHLAHSTLKPAAHLLIGDPSKQNSLLWRANTDRAFLQDGFSLSN NSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSSQYPFHVPLLSSQKMVYPGLQE PWLHSMYHGAAFLTQGDQLSTHTDGIPHLVLPSTVFFGAFAL with polyhistidine tag at the N-terminus.

**产品形式** 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.

**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 H<sub>2</sub>O 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

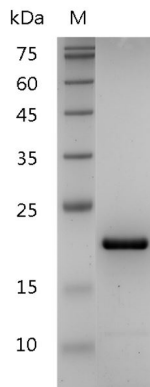
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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