

# CHAMOT

**重组小鼠B细胞激活因子 /Recombinant BAFF,  
Mouse, Animal-Free**

CM040-5MP

CM040-20MP

CM040-100MP

CM040-500MP

CM040-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组小鼠B细胞激活因子 /Recombinant BAFF, Mouse, Animal-Free

产品编号	CM040-5MP	CM040-20MP	CM040-100MP	CM040-500MP	CM040-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

BAFF also known as BLYS, TALL-1 and TNFSF13B, which belongs to tumor necrosis factor family. BAFF is a 31.2 kDa type II transmembrane protein containing 285 residues that predominantly produced by myeloid cells, furthermore mouse BAFF shares 72% sequence identity with human BAFF. BAFF has been demonstrated to activate the survival of B cells and the B cell response by binding to BAFFR/BR3. Additionally, BAFF also takes part in regulating B and T cell function via forming two ligands-two receptors pathway through sharing TNFRSF13B/TACI and TNFRSF17/BCMA receptors with APRIL.

#### 别称

B-cell activating factor, tumor necrosis factor (ligand) superfamily, member 13b, Tnfsf13b, BAF, BL, BlyS, D8Ertd387, D8Ertd387e, TAL, TALL-1, TALL1, THANK, TNFSF20, Tnlg7a, zTNF, zTNF4

#### 蛋白编码

Q9WU72

#### 分子量

The protein has a calculated MW of 21.56 kDa. The protein migrates as 17-25 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 proliferation in mouse B cells. The ED<sub>50</sub> for this effect is <0.5 ng/mL. The specific activity of recombinant mouse BAFF is > 2 x 10<sup>6</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

MAFQGPEETEQDVDLSAPPAPCLPGCRHSQHDDNGMNLRNIIQDCLQLIADSDTPTIRKGTYTFVPWLLSFKRGNAL EEKENKIVVRQTGYFFIYSQVLYTDPIFAMGHVIRKQKVVHVFGEDELSLVT LFRCIQNMPKTL PNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDDTFFGALKLL with polyhistidine tag at the C-terminus.

产品形式	The protein was lyophilized from a 0.2 $\mu\text{m}$ filtered solution containing 1X PBS, pH 7.4. 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  $\mu\text{g}/\text{mL}$ .
- 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  $\mu\text{g}/\text{ml}$ .

- 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

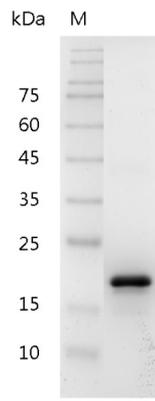
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 mouse BAFF

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491