

# CHAMOT

**重组小鼠白细胞介素22 /Recombinant IL-22,  
Mouse, Animal-Free**

CM019-5MP

CM019-20MP

CM019-100MP

CM019-500MP

CM019-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*



# CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

## 重组小鼠白细胞介素22 /Recombinant IL-22, Mouse, Animal-Free

产品编号	CM019-5MP	CM019-20MP	CM019-100MP	CM019-500MP	CM019-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin 22 (IL-22) is an  $\alpha$ -helical cytokine, predicts a molecular mass of 16.9 kDa. It is produced by T-helper (Th)-17 cells,  $\gamma\delta$  T cells, NKT cells and newly described innate lymphoid cells (ILCs). Effects involve stimulation of cell survival, proliferation and synthesis of antimicrobials including S110, Reg3 $\beta$ , Reg3 $\gamma$  and defensins.

#### 别称

interleukin 22, IL-TIF, Cytokine ZCYTO18, If2b1, ILTIFa, IL22

#### 蛋白编码

Q9JJY9

#### 分子量

The protein has a calculated MW of 17.58 kDa. The protein migrates about 17 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 IL-10 secretion in COLO205 cells. The ED<sub>50</sub> for this effect is <0.3 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MLPVNTRCKLEVSNFQQPYIVNRTFMLAKEASLADNNTDVRLLIGEKLFRGVSAKDQCYLKMQ  
VLNFTLEDVLLPQSDRFQPYMQEVVPFLTKLSNQLSSCHISGDDQNIQKNVRLKETVKKLGE  
SGEIKAI GELDLLFMSLRNACV with polyhistidine tag at the C-terminus.

#### 产品形式

The protein was lyophilized from a 0.2 µm 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 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

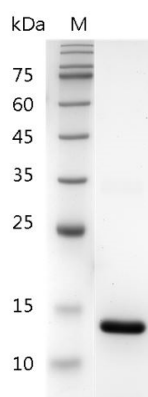
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 mouse IL-22

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