

# CHAMOT

**重组猪白细胞介素15 /Recombinant IL-15, Swine,  
Animal-Free**

CM008-5SP

CM008-20SP

CM008-100SP

CM008-500SP

CM008-1000SP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组猪白细胞介素15 /Recombinant IL-15, Swine, Animal-Free

产品编号	CM008-5SP	CM008-20SP	CM008-100SP	CM008-500SP	CM008-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin 15 (IL-15) is a 12.65 kDa cytokine with 114 amino acid residues and is primarily produced from mononuclear phagocytes like dendritic cells, monocytes, and macrophages. IL-15 plays a critical role in the innate immune system when IL-15 binds to the IL-15 receptor. In addition, IL-15 mediates biological functions, such as the proliferation of natural killer cells and T cells, preventing the immune cells from apoptosis by activating STAT3 /JAK and PI3K/ALT signaling pathways.

#### 别称

interleukin 15, IL-T, IL15

#### 蛋白编码

Q95253

#### 分子量

The protein has a calculated MW of 14.06 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>95% as determined by SDS-PAGE.

#### 生物活性

Measure by its ability to induce proliferation in TF-1 cells. The ED<sub>50</sub> for this effect is <5.5 ng/mL.

#### 内毒素检测

<0.01 EU per 1 µg of the protein by the LAL method.

#### 蛋白序列

TWQHVISDLKKIEDLIRSIHMDATLYTESDAHPNCKVTAMKCFLLLELRVILQESRNSDISDTVEN  
LIILANSSLSSIEYKTESGCKECEELEKNINEFLKSFHIVQMFINPS with polyhistidine tag at the N-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

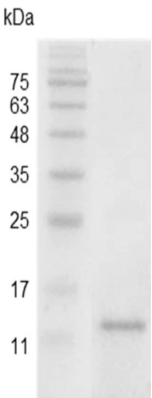
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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