

# CHAMOT

重组小鼠白细胞介素31 /Recombinant IL-31,  
Mouse, Animal-Free

CM028-5MP

CM028-20MP

CM028-100MP

CM028-500MP

CM028-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

## 重组小鼠白细胞介素31 /Recombinant IL-31, Mouse, Animal-Free

产品编号	CM028-5MP	CM028-20MP	CM028-100MP	CM028-500MP	CM028-1000MP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

### 产品简介

#### 背景描述

Interleukin 31 (IL-31) is a 15.65 kDa cytokine with 141 amino acid residues. IL-31 is mainly secreted from Th2 cells and binds to a receptor called IL-31RA. Upon binding to IL-31RA, IL-31 activates several signal pathways like MAPK, PI3K/AKT, and Jak/STAT pathways. It is critical in regulating many biological functions, such as cell proliferation, hematopoiesis, induction of cytokines, inflammation, and immune response. It also responds to an antigen by facilitating cell-mediated immunity.

#### 别称

interleukin 31, 1700013B14Rik, IL31

#### 蛋白编码

Q6EAL8

#### 分子量

The protein has a calculated MW of 16.56 kDa. The protein migrates about 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

Testing in process

#### 内毒素检测

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

#### 蛋白序列

MTCSSLFGAPISKEDLRTTIDLLKQESQDLYNNYSIKQASGMSADESQLPCFSLDREALTNISVII  
AHLEKVKVLSENTVDTSWVIRWLTNISCFNPLNLNISVPGNTDESYDCKVFVLTVLKQFSNCM  
AELQAKDNTTC 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 ( $\geq 20 \mu\text{l}$ ).
- 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

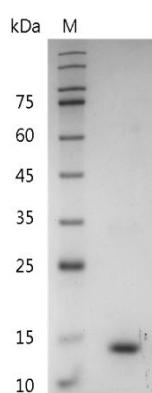
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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