

# CHAMOT

**重组小鼠白细胞介素1受体拮抗剂 /Recombinant IL-1RA, Mouse, Animal-Free**

**CM022-5MP**

**CM022-20MP**

**CM022-100MP**

**CM022-500MP**

**CM022-1000MP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠白细胞介素1受体拮抗剂 /Recombinant IL-1RA, Mouse, Animal-Free

产品编号	CM022-5MP	CM022-20MP	CM022-100MP	CM022-500MP	CM022-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin 1 receptor antagonist (IL-1RA) predicts a molecular mass of 19.8 kDa, is a member of the IL-1 family that binds to IL-1 receptors but does not induce any intracellular response. Two structural variants of IL-1RA have previously been described: a 17 kDa form that is secreted from monocytes, macrophages, neutrophils, and other cells (sIL-1RA) and an 18 kDa form that remains in the cytoplasm of keratinocytes and other epithelial cells, monocytes, and fibroblasts (icIL-1RA).

#### 别称

interleukin 1 receptor antagonist, ICIL-1RA, IRAP, IL-1RN, F630041P17Rik, IL1RA

#### 蛋白编码

P25085

#### 分子量

The protein has a calculated MW of 18.27 kDa. The protein migrates as 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 inhibit IL-1 alpha -dependent proliferation in D10.G4.1 cells. The ED<sub>50</sub> for this effect is <50 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MRPSGKR PCKMQAFRIWDTNQTFLRNNQLIAGYLQGPNIKLEEKIDMVPIDLHSVFLGIHG  
GKLCLSCAKSGDDIKLQLEEVNITDLSKNKEEDKRFTFIRSEKPTTSFESAACPGWFLCTTLEAD  
RPVSLTNTPEEPLIVTKFYFQEDQ 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

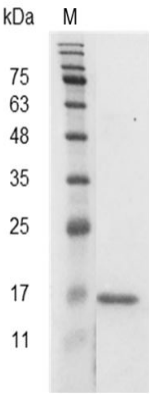
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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