

# CHAMOT

**重组小鼠白细胞介素36受体拮抗剂 /Recombinant IL-36RA, Mouse, Animal-Free**

CM035-5MP

CM035-20MP

CM035-100MP

CM035-500MP

CM035-1000MP



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36受体拮抗剂 /Recombinant IL-36RA, Mouse, Animal-Free

产品编号	CM035-5MP	CM035-20MP	CM035-100MP	CM035-500MP	CM035-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin 36 receptor antagonist (IL-36RA) is a 17.21 kDa cytokine with 155 amino acid residues and a member of the IL-36 family. It is mainly secreted from the stomach, lungs, and kidneys. IL-36RA binds to the interleukin-36 receptor and plays a critical role in the anti-inflammatory effect by mediating MAPK and NF-κB signaling pathways. IL-36RA inhibits proinflammatory effect via suppressing production of IL-6, IL-17, and interferon-gamma and promoting production of IL-4.

#### 别称

interleukin 36 receptor antagonist, FIL1 delta, IL-1F5, IL-1HY1, IL-1L1, IL-1RP3, IL-1ra Homolog 1, IL-1 delta, IL36RA

#### 蛋白编码

Q9QYY1

#### 分子量

The protein has a calculated MW of 17.81 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 inhibit IL-36 gamma-induced IL-6 secretion in 3T3 cells. The ED<sub>50</sub> for this effect is <2 µg/mL.

#### 内毒素检测

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

#### 蛋白序列

MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEEISVVPNRLDASLSPVILGVQG  
GSQCLSCGTEKGPIKLKLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTSPEAD  
QPVRTLTQIPEDPAWDAPITDFYFQQCD 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

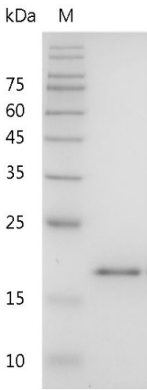
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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

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