

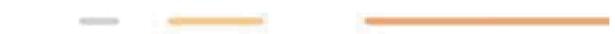
# CHAMOT

重组人白细胞介素32 alpha /Recombinant IL-32  
alpha, Human, Animal-Free

CM037-5HP



CM037-20HP



CM037-100HP



CM037-500HP



CM037-1000HP



CHAMOT

乔 默® 生 物

Specialize In Cytokines

# CONTENTS

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

## 重组人白细胞介素32 alpha /Recombinant IL-32 alpha, Human, Animal-Free

产品编号	CM037-5HP	CM037-20HP	CM037-100HP	CM037-500HP	CM037-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

<b>背景描述</b>	Interleukin 32 alpha (IL-32 $\alpha$ ) is an 18 kDa cytokine with 131 amino acid residues and one of the IL-2 splice variants. IL-32 $\alpha$ is primarily secreted from inflammatory cells, such as NK cells, T-cells, peripheral blood mononuclear cells (PBMCs), and monocytes. IL-32 alpha is a proinflammatory cytokine regulating IL-6 by interaction with protein kinase C(PKC). It also interacts with paxillin, integrin, and focal adhesion kinase 1 (FAK 1).
<b>别称</b>	interleukin 32 alpha, IL-32alpha, IL-32beta, IL-32delta, IL-32gamma, NK4, TAIF, TAIFa, TAIFb, TAIFc, TAIFd, IL32
<b>蛋白编码</b>	P24001-4
<b>分子量</b>	The protein has a calculated MW of 15.72 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>98% as determined by SDS-PAGE.
<b>生物活性</b>	Measure by its ability to induce TNF alpha secretion in RAW264.7 cells. The ED <sub>50</sub> for this effect is <10 µg/mL.
<b>内毒素检测</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>蛋白序列</b>	MCFPKVLSDDMKKLKARMHQAIERFYDKMQNAESGRGQVMSSLAELEDDFKEGYLETVAAY YEEQHPELTPLLKERDGLRCRGNRSPVPDVEDPATEEPGESFCDKSYGAPRGDKEELTPQKCSE PQSSK with polyhistidine tag at the C-terminus .
<b>产品形式</b>	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.
<b>产品应用</b>	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

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