

# CHAMOT

**重组人白细胞介素36 alpha /Recombinant IL-36  
alpha, Human, Animal-Free**

CM040-5HP

CM040-20HP

CM040-100HP

CM040-500HP

CM040-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组人白细胞介素36 alpha /Recombinant IL-36 alpha, Human, Animal-Free

产品编号	CM040-5HP	CM040-20HP	CM040-100HP	CM040-500HP	CM040-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

**背景描述** Interleukin-36 alpha (IL-36 $\alpha$ ) is an 18 kDa cytokine with 154 amino acid residues. IL-36 $\alpha$  is one of the IL-36 agonists secreted from keratinocytes. When IL-36 $\alpha$  binds to the IL-36 receptor, it activates NF- $\kappa$ B and MAPK signaling pathways that induce inflammatory responses. In addition, it also stimulates the production of inflammatory cytokines, such as IFN- $\gamma$ , TNF- $\alpha$ , and IL-6.

**别称** interleukin 36 alpha, IL36A, Interleukin-1 family member 6 (IL-1F6), FIL1 $\epsilon$  (FIL1E), Interleukin-1 $\epsilon$  (IL1E), IL36

**蛋白编码** Q9UHA7

**分子量** The protein has a calculated MW of 18.05 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 induce IL-8 secretion in human PBMCs. The ED<sub>50</sub> for this effect is <0.7 ng/mL.

**内毒素检测** <0.1 EU per 1 µg of the protein by the LAL method.

**蛋白序列** MKIDTPQQGSIQDINHRVWVLQDQTLIAVPRKDRMSPTIALISCRHVETLEKDRGNPIYLGLNGLNLCLMCAKVG DQPTLQLKEKDIMDLYNQPEPVKSFLFYHSQSGRNSTFESVAFPGWFI AVSSEGGCPLILTQELGKANTTDFGLTMLF 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

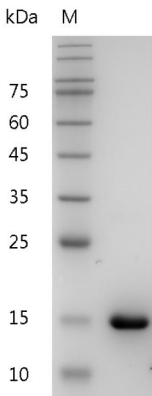
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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