

# CHAMOT

## 重组小鼠白细胞介素12 p40 /Recombinant IL-12 p40, Mouse, Animal-Free

CM012-5MP

CM012-20MP

CM012-100MP

CM012-500MP

CM012-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠白细胞介素12 p40 /Recombinant IL-12 p40, Mouse, Animal-Free

产品编号	CM012-5MP	CM012-20MP	CM012-100MP	CM012-500MP	CM012-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin 12 (IL-12) is a pro-inflammatory cytokine with a molecular weight of 70 kDa composed of two subunits, IL-12 p35 (35 kDa) and IL-12 p40 (40 kDa). IL-12 p40 is induced in excess over the other subunits of IL-12 and IL-23 and can exist in a monomeric or homodimeric form.

#### 别称

interleukin 12 p40, Interleukin-12 subunit beta, IL-12 subunit p40, IL-12B, Cytotoxic Lymphocyte Maturation Factor 40 kDa subunit (CLMF p40), NK cell Stimulating Factor Chain 2, IL12, IL-12

#### 蛋白编码

P43432

#### 分子量

The protein has a calculated MW of 36.60 kDa. The protein migrates as 35-48 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 proliferation in T-cell enriched PBMC. The ED<sub>50</sub> for this effect is <0.3 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSDQRHGVIGSGKTLTITVKEFLDA  
GQYTCHKGGETLSHSHLLLHKENGWSTEILKNFKNKTFLKCEAPNYSGRFTCSWLVRNMD  
LKFNIKSSSSSPDSRAVTCGMASLSAEKVTLQQRDYEKYSVSCQEDVTCPTAEETLPIELALEAR  
QQNKYENYSTSFFIRDIIKPDPPKNLQMKPLKNSQVEVSWEYPDSWSTPHSYFSLKFFVRIQRK  
KEKMKETEEGCNQKGAFLVEKTSTEVQCKGGNVVCVQAQDRYNNSSCSKWACVPCRVRS  
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

### 储存

**Lyophilized Protein:** Store at -20°C for 1 year.

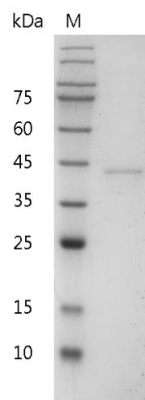
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



SDS-PAGE analysis of recombinant mouse IL-12 p40

For Research Use or Further Manufacturing Only

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