

# CHAMOT

重组人多效营养因子 /Recombinant Pleiotrophin,  
Human, Animal-Free

CM142-5HP



CM142-20HP



CM142-100HP



CM142-500HP



CM142-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组人多效营养因子 / Recombinant Pleiotrophin, Human, Animal-Free

产品编号	CM142-5HP	CM142-20HP	CM142-100HP	CM142-500HP	CM142-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Pleiotrophin (PTN) also known as HB-GAM, which is a Growth Factors involves in widely range of biological events such as bone development, neural regeneration, inflammatory response, tissue repair. PTN is 18.9 kDa protein containing 168 residues that expressed in Osteoblast and brain. Besides, PTN has been revealed to suppress the long-term potentiation (LTP) in hippocampus and plays a critical role in modulating learning-related behavior. On the other hand, PTN also acts as an angiogenic factor that promotes tumor progression by PTN/Anaplastic Lymphoma Kinase (ALK) axis.

#### 别称

PTN, Heparin Affin Regulatory Protein (HARP), Heparin-Binding Growth Factor-8 (HBGF-8), Osteoblast-Specific Factor 1 (OSF-1)

#### 蛋白编码

P21246

#### 分子量

The protein has a calculated MW of 19.89 kDa. The protein migrates as 18 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

Testing in process

#### 内毒素检测

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

#### 蛋白序列

MGKKEKPEKKVKKSDCGEWQWSVCVPTSGDCGLGTREGTRTGAECKQTMKTQRCKIPCNW  
KKQFGAECKYQFQAWGECDLNALKTRTGSALKRALHNAECQKTVTISKPCGKLTPKPQAESK  
KKKKEGKKQEKMLD 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 ( $\geq 20 \mu\text{l}$ ).
- 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

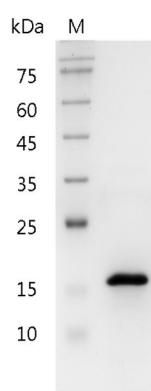
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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

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