

# CHAMOT

重组人半乳糖凝集素-7 /Recombinant Galectin-7,  
Human, Animal-Free

CM152-5HP



CM152-20HP



CM152-100HP



CM152-500HP



CM152-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组人半乳糖凝集素-7 /Recombinant Galectin-7, Human, Animal-Free

产品编号	CM152-5HP	CM152-20HP	CM152-100HP	CM152-500HP	CM152-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Galectin-7 (Gal-7) is a lectin family member and is one of the prototype galectins. It contains one carbohydrate recognition domain (CRD), responsible for  $\beta$ -galactoside binding, and is biologically active as homodimers. Galectin-7 is constitutively presented in the gastrointestinal tract, stratified epithelia, skin, and fetal heart. It has been reported that galectin-7 serves as an effector in triggering apoptosis following activation of the p53 pathway. Furthermore, it serves important functions in numerous biological activities including cell adhesion, migration, proliferation, and differentiation.

#### 别称

LGALS7B, LGALS7, PI7; GAL7, Gal-7, HKL-14

#### 蛋白编码

P47929

#### 分子量

The protein has a calculated MW of 15.9 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

Measure by its ability to chemoattract human THP1 cells. Chemotactic activity was observed at a concentration of 0.5 µg/mL.

#### 内毒素检测

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

#### 蛋白序列

SNVPHKSSLPEGIRPGTVLIRGLVPPNASRFHVNLCLGEEQGSDAALHFNPRLDTSEVVFNSK  
EQGSWGREERGPGVPFQRGQPFEVLIIASDDGFKAVVGDAQYHHFRHRLPLARVRLVEVGGD  
VQLDSVRIF with polyhistidine tag at the N-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

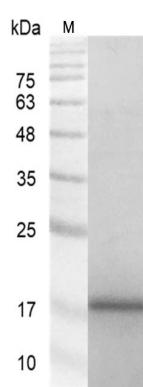
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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