

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 β -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

SNVPHKSSLPEGIRPGTVLRIRGLVPPNASRFHVNLLCGEEQGSDAALHFNPRLDTSEVVFNSK
EQGSWGREERGPGVPFQRGQPFEVLIASDDGFKAVVGDAQYHHFRHRLPLARVRLVEVGGD
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 H₂O 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

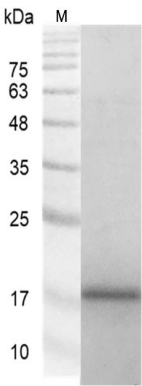
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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