

CHAMOT

**重组人半乳糖凝集素-4 /Recombinant Galectin-4,
Human, Animal-Free**

CM151-5HP

CM151-20HP

CM151-100HP

CM151-500HP

CM151-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人半乳糖凝集素-4 /Recombinant Galectin-4, Human, Animal-Free

产品编号	CM151-5HP	CM151-20HP	CM151-100HP	CM151-500HP	CM151-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Galectin-4 (Gal-4) is a lectin family member and is one of the tandem repeat-type galectins containing two carbohydrate recognition domains (CRD) connected by a linker region in a single peptide chain. The CRD is responsible for β -galactoside binding, and several binding partners for galectin-4 have been identified, including human blood group antigens, glycoproteins, mucin like membrane MUC1, glycosphingolipids, and sulfated cholesterol. Galectin-4 is constitutively presented in the intestine and stomach, uterine epithelial cells, blood vessel walls, hippocampal and cortical neurons. It serves important functions in numerous biological activities including lipid raft stabilization, protein apical trafficking, cell adhesion, wound healing, intestinal inflammation, and host defense.

别称

LGALS4, GAL4, L36LBP

蛋白编码

P56470

分子量

The protein has a calculated MW of 36.8 kDa. The protein migrates as 37 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 using a concentration range of 0.5-2.5 µg/mL.

内毒素检测

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

蛋白序列

AYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDPGSDVAFH
FNPRFDGWDKVVFNLTQGGKKGWSEERKRSMPEFKKGAAAFELVFIVLAEHYKVVVNGNPFYEYG
HRLPLQMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMPPYPGPGHCHQQLNSLPTMEGP
PTFNPPVPYFGRLLQGGLTARRTIIKGYVPPTGKSFAINFKVGSSGDIALHINPRMGNGTVVRNS
LLNGSWGSEEKKITHNPFPGPGQFFDLSIRCGLDRFKVYANGQHLFDFAHRLSAFQRVDTLEIQ
GDVTL SYVQI 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**储存**

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

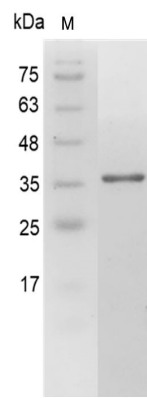
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 human Galectin-4

For Research Use or Further Manufacturing Only

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