

CHAMOT

**重组人半乳糖凝集素-12 /Recombinant Galectin-12,
Human, Animal-Free**

CM156-5HP

CM156-20HP

CM156-100HP

CM156-500HP

CM156-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人半乳糖凝集素-12 /Recombinant Galectin-12, Human, Animal-Free

产品编号	CM156-5HP	CM156-20HP	CM156-100HP	CM156-500HP	CM156-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Galectin-12 (Gal-12) 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 is required to interact with the VPS13C protein. It has been reported that galectin-12 is presented in the adipose tissue but also expressed in macrophages and other leukocytes. Galectin-12 participates in many biological activities including cell cycle regulation, apoptosis, and cell differentiation. Moreover, galectin-12 has emerged as a crucial factor in driving the macrophage to M1 polarization, leading to inflammation and reducing insulin sensitivity in adipocytes.

别称

LGALS12, GAL12, GRIP1

蛋白编码

Q96DT0

分子量

The protein has a calculated MW of 38.4 kDa. The protein migrates as 38 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 10-100 ng/mL.

内毒素检测

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

蛋白序列

SQPSGGRAPGTRIYSWSCPTVMSPGEKLDPIPDSEFILQPPVFHPVVPYVTTIFGGLHAGKMVM
LQGVVPLDAHRFQVDFQCGCSLCPRPDIAFHFNPRFHHTTKPHVICNTLHGGRWQREARWPH
LALRRGSSFLILFLFGNEEVKVSVNGQHFLHFRYRLPLSHVDTLGIFGDILVEAVGFLNINPFVEG
SREYPAGHPFLLMSPRLEVPCSHALPQGLSPGQVIIVRGLVLQEPKHFTVSLRDQAAHAPVTLR
ASFADRTLAWISRWGQKKLISAPFLFYPQRFEEVLLLFQEGGLKLALNGQGLGATSMNQQALE
QLRELISGSVQLYCVHS 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.

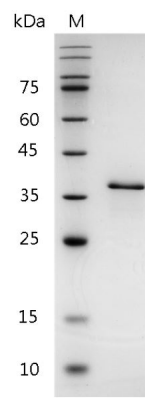
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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-12

For Research Use or Further Manufacturing Only

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