

CHAMOT

**重组人半乳糖凝集素-16 /Recombinant Galectin-16,
Human, Animal-Free**

CM159-5HP

CM159-20HP

CM159-100HP

CM159-500HP

CM159-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人半乳糖凝集素-16 /Recombinant Galectin-16, Human, Animal-Free

产品编号	CM159-5HP	CM159-20HP	CM159-100HP	CM159-500HP	CM159-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Galectin-16 (Gal-16) is a lectin family member and is one of the prototype galectins, but it exists as a monomer, and it is remarkably different from other prototype galectins in β -galactoside binding. Like galectin-13 and galectin-14, Galectin-16 is expressed in the placenta, contributing to T cell apoptosis, immune regulation, and immune tolerance, which is indispensable for fetal development. The molecular mechanism has been demonstrated that galectin-16 forms complex with c-Rel, suggesting galectin-16-activated signal transduction pathways via the c-Rel hub in B or T cells at the maternal-fetal interface.

别称

LGALS16

蛋白编码

A8MUM7

分子量

The protein has a calculated MW of 17.4 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

SFLTVPYKLPVSLSVGSCVLIKGTLDSSINPQLQVDFYTEMNEDSEIAFHLRVHLGRRVVMNSR
EFGIWMLEENLHYVPFEDGKPFDLRIYVCLNEYEVKVNGEYIYAFVHRIPPSYVKMIQVWRDVS
LDSVLVNNGRR 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.

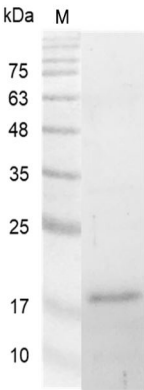
3.Extended Storage

- 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



For Research Use or Further Manufacturing Only

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