

CHAMOT

重组人半乳糖凝集素-10 /Recombinant Galectin-10,
Human, Animal-Free

CM155-5HP



CM155-20HP



CM155-100HP



CM155-500HP



CM155-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人半乳糖凝集素-10 /Recombinant Galectin-10, Human, Animal-Free

产品编号	CM155-5HP	CM155-20HP	CM155-100HP	CM155-500HP	CM155-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Galectin-10 (Gal-10) 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. It has been reported that galectin-10 is presented in eosinophils but also detected in basophils and macrophages. Accumulated evidence indicates that galectin-10 spontaneously forms Charcot-Leyden crystals (CLCs), participating in allergic responses and related inflammatory reactions. Several binding partners for galectin-10 have been identified, including eosinophil granule cationic ribonucleases, eosinophil-derived neurotoxin (EDN, RNS2), and eosinophil cationic protein (ECP, RNS3), demonstrating the interaction is essential for eosinophil differentiation and granulogenesis.

别称

GAL10, Gal-10, LGALS10, LGALS10A, LPPL_HUMAN

蛋白编码

Q05315

分子量

The protein has a calculated MW of 16.31 kDa. The protein migrates as 16-19 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 0.2-25 µg/mL.

内毒素检测

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

蛋白序列

SLLPVVPYTEAASLSTGSTVTIKGRPLACFLNEPYLQVDFHTEMKEESDIVFHFQVCFGRRVVMNSREYGAWKQQVESKNMPFQDGQEFELSIQLPDKYQVMVNGQSSYTFDHRIKPEAVKMQVQWRDISLTKFNVSYLR 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 ($\geq 20 \mu\text{l}$).
- 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

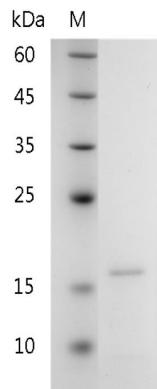
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



SDS-PAGE analysis of recombinant human Galectin-10

For Research Use or Further Manufacturing Only

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