

# CHAMOT

**重组人半乳糖凝集素-14 /Recombinant Galectin-14, Human, Animal-Free**

CM158-5HP

CM158-20HP

CM158-100HP

CM158-500HP

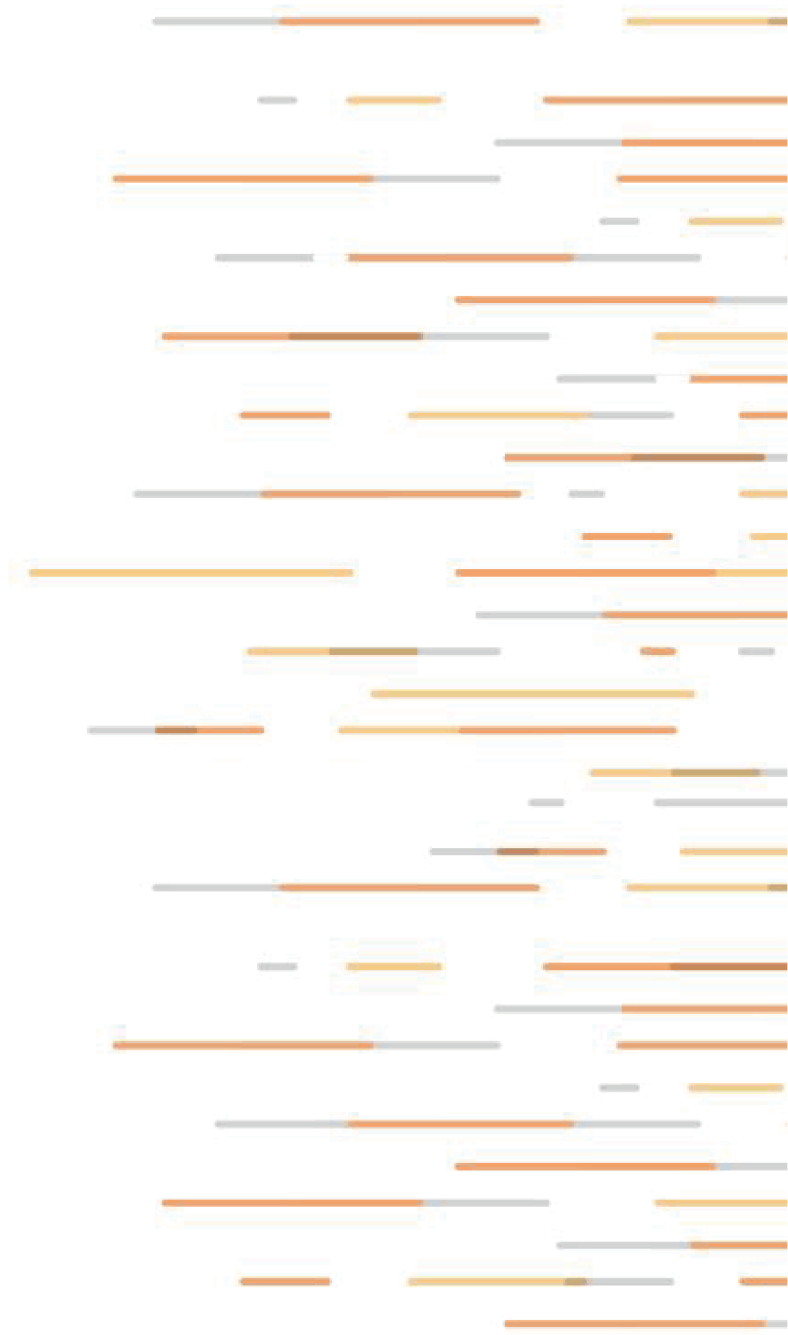
CM158-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*



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**重组人半乳糖凝集素-14 /Recombinant Galectin-14, Human, Animal-Free**

产品编号	CM158-5HP	CM158-20HP	CM158-100HP	CM158-500HP	CM158-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

**产品简介**

**背景描述** Galectin-14 (Gal-14) is a lectin family member and is one of the prototype galectins. It contains one carbohydrate recognition domain (CRD), responsible for  $\beta$ -galactoside binding, and is biologically active as homodimers. Galectin-14 is like Galectin-13, which is expressed in the placenta, contributing to T cell apoptosis, immune regulation, and immune tolerance, which is indispensable for fetal development. The galectin-14 enhances trophoblast migration and invasion via promoting the expression of MMP-9 and N-cadherin in the Akt pathway. Furthermore, galectin-14 stimulates the production of IL-8 in non-activated T cells, which associate with angiogenesis at the maternal-fetal interface.

**别称** LGALS14, CLC2, PPL13

**蛋白编码** Q8TCE9

**分子量** The protein has a calculated MW of 16.9 kDa. The protein migrates as 17 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** SSLPVPYTLPLVSLPVGSCVIITGTPILTFVKDPQLEVNIFYTGMDSDIAFQFRLHFGHPAIMNSCVFGIWRYYEKKYYLPFEDGKPFELCIYVRHKEYKVMVNGQRIYNFAHRFPASVKMLQVFRDISLTRVLISD 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**

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 100-200 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. **Do Not Vortex!** Vigorous shaking may impair the biological activity of the protein.

**产品储存/运输**

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

**After reconstitution:**

**储存**

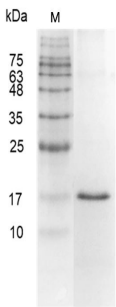
- Store at 2°C to 8°C for up to 1 week.
- For extended storage (beyond 1 week), dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/ml. Prepare aliquots (≥20 µl) and store at -20°C or -80°C for 3 to 6 months.

**Avoid repeated freeze-thaw cycles.**

**运输**

Blue Ice

**实验数据展示**



SDS- PAGE analysis of recombinant human Galectin-14