

CHAMOT

**重组人趋化因子CCL4 /Recombinant CCL4, Human,
Animal-Free**

CM130-5HP

CM130-20HP

CM130-100HP

CM130-500HP

CM130-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人趋化因子CCL4 /Recombinant CCL4, Human, Animal-Free

产品编号	CM130-5HP	CM130-20HP	CM130-100HP	CM130-500HP	CM130-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

C-C Motif Chemokine Ligand 4 (CCL4) is a 7.66 kDa cytokine with 69 amino acid residues. CCL4, also named macrophage inflammatory protein-1 β (MIP-1 β), is mainly secreted from neutrophils, monocytes, B cells, T cells, fibroblasts, endothelial cells and epithelial cells. CCL4 recruits various immune cells like natural killer cells, monocytes, and neutrophils when CCL4 binds to CCR5. In addition, CCL4 mediates lymphocyte adhesion by Rac1 /Cdc42 signaling pathway and plays critical roles in different biological functions like maintenance of cell polarity, regulation of calcium ion transport and response to viruses.

别称

C-C motif chemokine ligand 4, MIP-1b: Macrophage Inflammatory Protein-1 β , ACT-2

蛋白编码

P13236

分子量

The protein has a calculated MW of 7.75 kDa. The protein migrates as 11 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

APMGSDPPTACCFSTARKLPHNFVVDYYETSSLCSPAVVFQTKRGKQVCADPSESQVQVEY
VYDLELN.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 50 mM Tris and 150 mM NaCl, pH 8.5. 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

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

储存

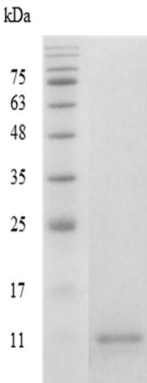
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

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