

CHAMOT

**重组人趋化因子CCL2 /Recombinant CCL2, Human,
Animal-Free**

CM128-5HP

CM128-20HP

CM128-100HP

CM128-500HP

CM128-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人趋化因子CCL2 /Recombinant CCL2, Human, Animal-Free

产品编号	CM128-5HP	CM128-20HP	CM128-100HP	CM128-500HP	CM128-1000HP
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 2 (CCL2) is an 8.44 kDa cytokine with 76 amino acid residues and is also known as monocyte chemoattractant protein 1 (MCP1). The CCL2 secreted from monocytes, macrophages, and dendritic cells. Upon binding with CCR4, it regulates many biological functions, such as recruitments of monocytes, memory T cells, and dendritic cells, response to TNF- α and Interferon- γ , angiogenesis, cellular homeostasis, and cytoskeleton organization.

别称

C-C motif chemokine ligand 2, Monocyte Chemotactic Protein-1, MCP-1, MCP1

蛋白编码

P13500.1

分子量

The protein has a calculated MW of 9.49 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-50 ng/mL.

内毒素检测

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

蛋白序列

QPDAINAPVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHLDKQTQTPKT 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

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

储存

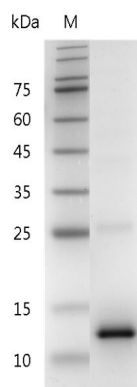
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 CCL2

For Research Use or Further Manufacturing Only

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