

CHAMOT

**重组小鼠趋化因子CCL3 /Recombinant CCL3,
Mouse, Animal-Free**

CM073-5MP

CM073-20MP

CM073-100MP

CM073-500MP

CM073-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组小鼠趋化因子CCL3 /Recombinant CCL3, Mouse, Animal-Free

产品编号	CM073-5MP	CM073-20MP	CM073-100MP	CM073-500MP	CM073-1000MP
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 3 (CCL3) is a 7.66 kDa cytokine with 69 amino acid residues. CCL3, also known as macrophage inflammatory protein 1-alpha (MIP-1-alpha), is expressed in the spleen, lung, and articular cartilage. Upon binding to the receptor, CCR1, CCR4, or CCR5, CCL3 plays a vital role in immune response, such as inflammation, recruitment of immune cells, and production of IL-1 β and TNF. In addition, CCL3 also participates in resistance to type 1 virus infection, astrocyte cell migration, regulation of macromolecule metabolic process, and regulation of ERK1 and ERK2 cascade.

别称

C-C Motif Chemokine Ligand 3, MIP-1a: Macrophage Inflammatory Protein-1 α , LD78 α

蛋白编码

P10855

分子量

The protein has a calculated MW of 8.69 kDa. The protein migrates about 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

APYGADTPTACCFYSYRKIPRQFIVDYFETSSLCSQPGVIFLTNRNRQICADSKETWVQEYITDLE LNA 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

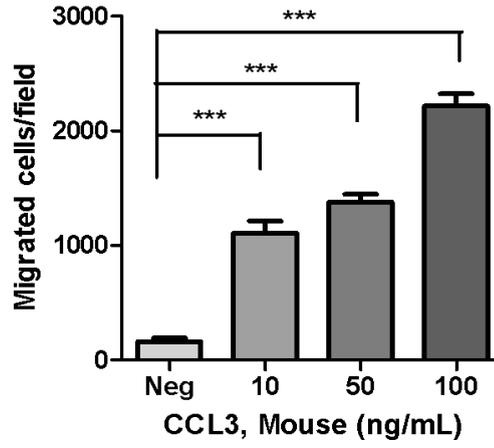
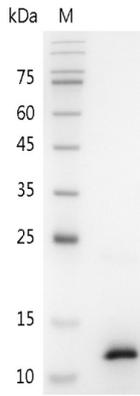
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



Activity analysis of recombinant Mouse CCL3, His Tag, E. coli.

SDS-PAGE analysis of recombinant mouse CCL3

Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL.

For Research Use or Further Manufacturing Only

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