

CHAMOT

重组人趋化因子CCL3 /Recombinant CCL3, Human, Animal-Free

CM129-5HP



CM129-20HP



CM129-100HP



CM129-500HP



CM129-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

重组人趋化因子CCL3 /Recombinant CCL3, Human, Animal-Free

产品编号	CM129-5HP	CM129-20HP	CM129-100HP	CM129-500HP	CM129-1000HP
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 3 (CCL3) is a 7.33Da cytokine with 66 amino acid residues. CCL3 is also called macrophage inflammatory protein 1-alpha (MIP-1-alpha) and is expressed in bone marrow and liver. Upon binding to the receptor, CCR1, CCR4, or CCR5, CCL3 plays an essential role in acute inflammatory responses like recruitment and activation of polymorphonuclear leukocytes and induction of monophasic fever. In addition, CCL3 participates in resistance to type 1 virus infection, mediation of MAPK signaling pathway, cell-cell signaling, and calcium-mediated signaling.

别称

C-C motif chemokine ligand 3, MIP-1a: Macrophage Inflammatory Protein-1 α , LD78 α

蛋白编码

P10147

分子量

The protein has a calculated MW of 8.4 kDa. The protein migrates as 8-11 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 1-10 ng/mL.

内毒素检测

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

蛋白序列

ADTPTACCFSYTSRQIPQNFIADYFETSSQCSKPGVIFLTKRSRQVCADPSEEWVQKYVSDLELSA with polyhistidine tag at the N-terminus

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1×PBS, pH 8.0. 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 ($\geq 20 \mu\text{l}$).
- 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

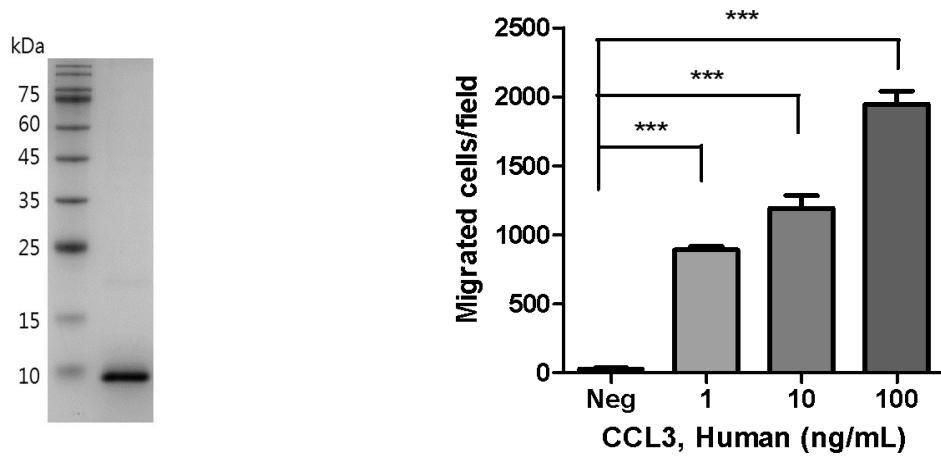
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



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

SDS-PAGE analysis of recombinant human CCL3

Measure by its ability to chemoattract human THP1 cells using a concentration range of 1-10 ng/mL.

For Research Use or Further Manufacturing Only

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