

CHAMOT

**重组人趋化因子CXCL10 /Recombinant CXCL10,
Human, Animal-Free**

CM126-5HP

CM126-20HP

CM126-100HP

CM126-500HP

CM126-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人趋化因子CXCL10 /Recombinant CXCL10, Human, Animal-Free

产品编号	CM126-5HP	CM126-20HP	CM126-100HP	CM126-500HP	CM126-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

C-X-C motif chemokine 10 (CXCL10) also named Interferon gamma-induced protein 10 (IP-10), which is a chemokine of the intercrine alpha family. CXCL10 is a 8.55kDa protein containing 77 amino acid residues. CXCL10 is produced by the several cell types like monocytes and endothelial cells, which are responded for IFN γ . CXCL10 is a chemotaxis for T cells, NK cells and macrophages. CXCL10 also binds the CXCR3 that induce the cell migration and activation like T cells and dendritic cells.

别称

C-X-C motif chemokine 10, IP-10, Gamma-Interferon Inducible Protein 10, Crg-2, IP10

蛋白编码

P02778

分子量

The protein has a calculated MW of 9.45 kDa. The protein migrates as 9-11 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 10-50 ng/mL.

内毒素检测

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

蛋白序列

VPLSRTVRCTCISISNQPVNPRSLEKLEIIPASQFCPRVEIIATMKKKGKRCCLNPESKAIKNLLKAV SKERSKRSP 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

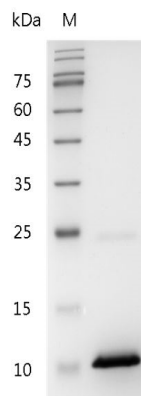
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

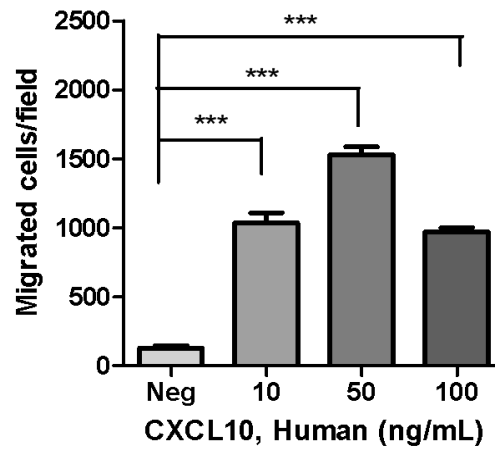
运输

Blue Ice

实验数据展示



SDS-PAGE analysis of recombinant human
CXCL10



Activity analysis of recombinant human CXCL10, His Tag, E. coli.
Measure by its ability to chemoattract human THP1 cells using a
concentration range of 10-50 ng/mL.

For Research Use or Further Manufacturing Only

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