

CHAMOT

重组人趋化因子CXCL2 /Recombinant CXCL2,
Human, Animal-Free

CM127-5HP



CM127-20HP



CM127-100HP



CM127-500HP



CM127-1000HP



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CXCL2 /Recombinant CXCL2, Human, Animal-Free

产品编号	CM127-5HP	CM127-20HP	CM127-100HP	CM127-500HP	CM127-1000HP
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 2 (CXCL2) also named Growth-regulated oncogene beta (GRO β), which is a chemokine of the intercrine alpha family. CXCL2 is a 8 kDa protein containing 73 amino acid residues. CXCL2 is expressed in immune cells such as macrophages and monocytes. CXCL2 plays an important role with immune responses and cancer progression. CXCL2 activates the cell signal transduction with caspase-1 that affect the cell proliferation, differentiation and migration.

别称

C-X-C motif chemokine 2, Growth Regulated Protein/Melanoma Growth Stimulatory Activity, GRO- β : MGSA β , MIP-2 α , GRO2

蛋白编码

P19875

分子量

The protein has a calculated MW of 8.70 kDa. The protein migrates as 12 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 PBMCs using a concentration range of 10.0 - 100.0 ng/mL. Note: Results may vary from different PBMC donors.

内毒素检测

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

蛋白序列

APLATELRCQCLQTLQGIHLKNIQSVKVKSPGPHCAQTEVIATLKNGQKACLNPMSPMVKKIIEKMLKNGKSN 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 ($\geq 20 \mu\text{l}$).
- 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

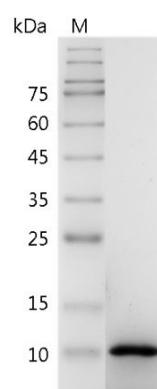
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

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