

CHAMOT

重组人趋化因子CXCL12 /Recombinant CXCL12(24-88), Human, Animal-Free

CM125-5HP

CM125-20HP

CM125-100HP

CM125-500HP

CM125-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人趋化因子CXCL12 /Recombinant CXCL12(24-88), Human, Animal-Free

产品编号	CM125-5HP	CM125-20HP	CM125-100HP	CM125-500HP	CM125-1000HP
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 12 (CXCL12) also named stromal cell-derived factor 1 (SDF-1), which is a chemokine of the intercrine alpha family. CXCL12 is a 19.5kDa protein containing 167 amino acid residues. The function of CXCL12 include the hematopoiesis, angiogenesis embryogenesis, inflammation and angiogenesis. CXCL12 activated by the IL-1, TNF or lipopolysaccharide and induce the immune response in leukocytes.
别称	C-X-C motif chemokine 12, IRH, PBSF, SCYB12, SDF1, TLSF, TPAR1
蛋白编码	P48061
分子量	The protein has a calculated MW of 8.55 kDa. The protein migrates as 10 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 20-100 ng/mL.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	MVSLSYRCPCRFFESHVARANVKHLKILNTPNCALQIVARLKNNNRQVCIDPKLKWIQEYLEKALN with polyhistidine tag at the C-terminus.
产品形式	The protein was lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate, 0.1 M NaCl, pH 4.5. 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

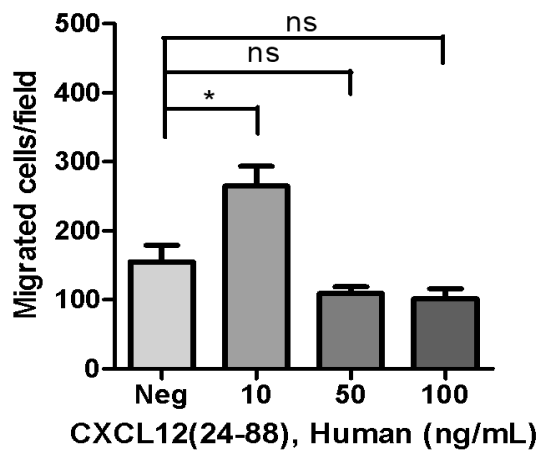
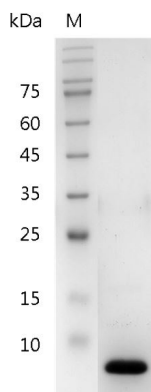
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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
CXCL12

Activity analysis of recombinant Human CXCL12 (aa 24-88), His Tag, E. coli. Measure by its ability to chemoattract human THP1 cells. Chemotactic activity was observed at a concentration of 10 ng/mL.

For Research Use or Further Manufacturing Only

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