

CHAMOT

重组人趋化因子CXCL7 /Recombinant CXCL7,
Human, Animal-Free

CM164-5HP



CM164-20HP



CM164-100HP



CM164-500HP



CM164-1000HP



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CXCL7 /Recombinant CXCL7, Human, Animal-Free

产品编号	CM164-5HP	CM164-20HP	CM164-100HP	CM164-500HP	CM164-1000HP
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 7 (CXCL7) also named Pro-Platelet basic protein (PPBP), which is a chemokine of the intercrine alpha family. CXCL7 is a 7.7 kDa protein containing 70 amino acid residues. CXCL7 is expressed by the platelets, which are activated. During vascular injury, CXCL7 controls the glucose metabolism, mitogenesis and neutrophil recruitment by the interaction with CXCR2.

别称 C-X-C motif chemokine 7, Neutrophil Activating Protein-2, NAP-2, PBP (parent molecule), CTAP-III (precursor)

蛋白编码 P02775

分子量 The protein has a calculated MW of 8.43 kDa. The protein migrates as 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. Chemoattract activity was observed at a concentration of 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 AELRCMCIKTTSGIHPKNIQSLEVIGKGTHCNQVEVIATLDGRKICLDPDAPRIKKIVQKLAG DESAD 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.

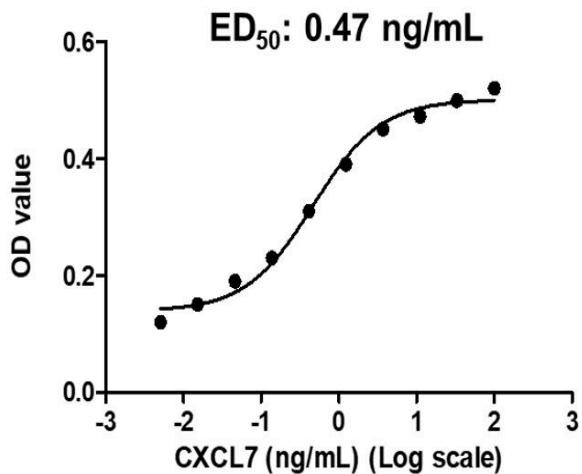
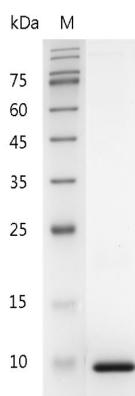
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 CXCL7

Human CXCL7, His Tag, E. coli chemoattracted BaF3 cells
transfected with human CXCR2, with the ED₅₀ at 0.47 ng/mL.

For Research Use or Further Manufacturing Only

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