

CHAMOT

**重组人白细胞介素11 /Recombinant IL-11, Human,
Animal-Free**

CM013-5HP

CM013-20HP

CM013-100HP

CM013-500HP

CM013-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人白细胞介素11 /Recombinant IL-11, Human, Animal-Free

产品编号	CM013-5HP	CM013-20HP	CM013-100HP	CM013-500HP	CM013-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 Interleukin 11 (IL-11) is a cytokine, encoded by the gp130 family genes. IL-11 initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, and it facilitate the formation of higher order structures involving dimers of gp130: IL-11:IL-11 RA complexes.

别称 interleukin 11, AGIF (Adipogenesis Inhibitory Factor), IL11

蛋白编码 P20809

分子量 The protein has a calculated MW of 19.95 kDa. The protein migrates as 24 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 induce T11 cells proliferation. The ED₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant human IL-11 is approximately >1 x 10⁷ IU/ mg.

内毒素检测 <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列 PGPPPGPPRVSPDPRAELDSTVLLTRSLADTRQLAAQLRDKFPADGDHNLDSLPTLAMSAGALGALQLPGVLTRLRADLLSYLRHVQWLRRAGGSSKLTLEPELGTLQARLDRLLRRLLQLLMSRLALPQPPDPAPPLAPPSSAWGGIRAAHAILGGLHLTDWAVRGLLLKTRL 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 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 (≥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

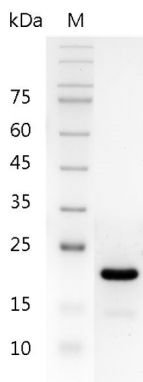
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

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