

CHAMOT

**重组人白细胞介素3 /Recombinant IL-3, Human,
Animal-Free**

CM005-5HP

CM005-20HP

CM005-100HP

CM005-500HP

CM005-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人白细胞介素3 /Recombinant IL-3, Human, Animal-Free

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|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM005-5HP | CM005-20HP | CM005-100HP | CM005-500HP | CM005-1000HP |
| 规格 | 5 µg | 20 µg | 100 µg | 500 µg | 1 mg |

产品简介

背景描述

Interleukin-3 (IL-3) is a pleiotropic cytokine which can stimulate the survival, differentiation and proliferation of committed progenitor cells, including megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. IL-3 also enhances phagocytosis and antibody-mediated cellular cytotoxicity. IL-3 binds to IL-3R (IL-3 receptor), which is composed of a unique α subunit (IL-3R α) and a common β -subunit (β c).

别称

interleukin 3, MCGF (Mast Cell Growth Factor), Multi-CSF, HCGF, P-cell stimulation factor, Interleukin-3b, IL3

蛋白编码

P08700

分子量

The protein has a calculated MW of 16 kDa. The protein migrates as 13 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 TF-1 cells proliferation. The ED₅₀ for this effect is <0.15 ng/mL. The specific activity of recombinant human IL-3 is approximately >1.2 x 10⁶ IU/mg.

内毒素检测

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

蛋白序列

MAPMTQTTSKTSWVNCNMIDEIITHLKQPPLPLDFNNLNGEDQDILMENNLRPNLEAF
NRAVKSLQNASAIESILKNLLPCLPLATAAPTRHPIHIKGDWNEFRRLTFYLKLENAQAQQT
TLSLAIF with polyhistidine tag at the C-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

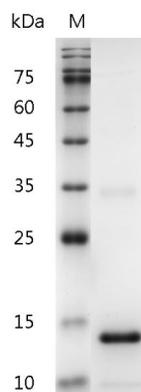
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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