

CHAMOT

**重组猪白细胞介素15 /Recombinant IL-15, Swine,
Animal-Free**

CM008-5SP

CM008-20SP

CM008-100SP

CM008-500SP

CM008-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组猪白细胞介素15 /Recombinant IL-15, Swine, Animal-Free

产品编号	CM008-5SP	CM008-20SP	CM008-100SP	CM008-500SP	CM008-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 15 (IL-15) is a 12.65 kDa cytokine with 114 amino acid residues and is primarily produced from mononuclear phagocytes like dendritic cells, monocytes, and macrophages. IL-15 plays a critical role in the innate immune system when IL-15 binds to the IL-15 receptor. In addition, IL-15 mediates biological functions, such as the proliferation of natural killer cells and T cells, preventing the immune cells from apoptosis by activating STAT3 /JAK and PI3K/ALT signaling pathways.

别称

interleukin 15, IL-T, IL15

蛋白编码

Q95253

分子量

The protein has a calculated MW of 14.06 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Measure by its ability to induce proliferation in TF-1 cells. The ED₅₀ for this effect is <5.5 ng/mL.

内毒素检测

<0.01 EU per 1 µg of the protein by the LAL method.

蛋白序列

TWQHVISDLKKIEDLIRSIHMDATLYTESDAHPNCKVTAMKCFLELRVILQESRNSDISDTVEN LIILANSSLSSIEYKTESGCKECEEELEKNINEFLKSFHIVQMFINPS 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 (≥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

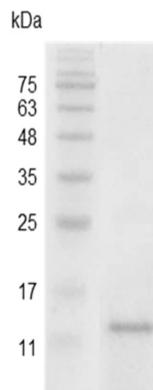
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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