

CHAMOT

**重组人白细胞介素31 /Recombinant IL-31, Human,
Animal-Free**

CM036-5HP

CM036-20HP

CM036-100HP

CM036-500HP

CM036-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

重组人白细胞介素31 /Recombinant IL-31, Human, Animal-Free

产品编号	CM036-5HP	CM036-20HP	CM036-100HP	CM036-500HP	CM036-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 31 (IL-31) is an 18 kDa cytokine with 142 amino acid residues. IL-31 is mainly secreted from activated CD4+ T cells and binds to a receptor called IL-31RA. Upon binding to 31RA, IL-31 activates several signal pathways like MAPK, PI3K/AKT, and Jak/STAT pathways. It is critical in regulating many biological functions, such as cell proliferation, hematopoiesis, induction of cytokines, inflammation, and immune response.

别称

interleukin 31, IL31

蛋白编码

Q6EBC2

分子量

The protein has a calculated MW of 16.78 kDa. The protein migrates as 18 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

Measured by its ability to induce A549 cells proliferation. The ED₅₀ for this effect is < 40 ng/mL

内毒素检测

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

蛋白序列

MSHTLPVRLRLPSDDVQKIVEELQSLSKMLLKDVVEEEKGVLVSQNYTLPCLSPDAQPPNNIHSP
AIRAYLKTIRQLDNKSVIDEIIEHLDKLIFQDAPETNISVPTDTHECKRFILTISQQFSECMDLALKS
LTSGAQQATT 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.

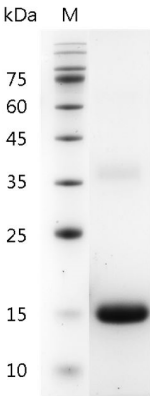
3. Extended Storage

- 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

储存	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



For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491