

CHAMOT

**重组人白细胞介素37 /Recombinant IL-37, Human,
Animal-Free**

CM044-5HP

CM044-20HP

CM044-100HP

CM044-500HP

CM044-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人白细胞介素37 /Recombinant IL-37, Human, Animal-Free

产品编号	CM044-5HP	CM044-20HP	CM044-100HP	CM044-500HP	CM044-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述	Interleukin-37 (IL-37) consists of 192 amino acids. IL-37 is a member of the interleukin-1 cytokine family. The primary function is binding to the interleukin-18 receptor (IL18R1 /IL-1Rrp) and then becoming a subunit to inhibit the activity of IL-18. This behavior often occurs between various immune responses. It also significantly affects the negative regulation of tumor necrosis factor production.
别称	interleukin 37, IL-1F7, IL-1ζ (zeta), IL-1H4, FIL1, FIL1Z, IL37
蛋白编码	Q9NZH6
分子量	The protein has a calculated MW of 19.49 kDa. The protein migrates as 22 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	Measured by its ability to inhibit LPS-stimulated IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <1 µg/mL.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	MKNLNPKKFSIHDQDHKVLVLDSGNLIAVPDKNYIRPEIFFALASSLSSASAEKGSPILLGVSKGE FCLYCDKDKGQSHPSLQLKKEKLMKLAAQKESARRPFIFYRAQVGSWNMLESAAHPGWFICT SCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD 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

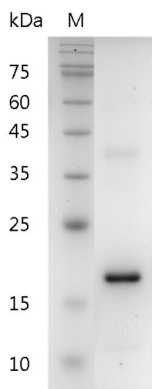
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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