

CHAMOT

**重组人白细胞介素5 /Recombinant IL-5, Human,
Animal-Free**

CM007-5HP

CM007-20HP

CM007-100HP

CM007-500HP

CM007-1000HP



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5 /Recombinant IL-5, Human, Animal-Free

产品编号	CM007-5HP	CM007-20HP	CM007-100HP	CM007-500HP	CM007-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述	IL-5 is a 45-60 kDa homodimer cytokine that functions principally in the eosinophil arm of the Th2 response. It is a member of the helical bundle family of cytokines, along with IL-3, IL-4, and granulocyte-macrophage colony-stimulating factor (GM-CSF).
别称	interleukin 5, EDF, BCDFII, TRF, IL5
蛋白编码	P05113
分子量	The protein has a calculated MW of 14.09 kDa. The protein migrates as 14 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 ED ₅₀ for this effect is <0.3 ng/mL.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	MIPTEIPTSALVKETLALLSTHRTLIIANETLRIPVPVHKNHQLCTEEIFQGIGTLESQTVQGGTVE RLFKNLSLIKKYIDGQKKKCGEERRRVNQFLDYQLQEFLGVMNTEWIIES 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.

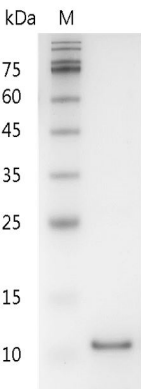
3.Extended Storage

- 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



SDS-PAGE analysis of recombinant human IL-5

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