

CHAMOT

重组人白细胞介素34 /Recombinant IL-34, Human, Animal-Free

CM039-5HP



CM039-20HP



CM039-100HP



CM039-500HP



CM039-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

重组人白细胞介素34 /Recombinant IL-34, Human, Animal-Free

产品编号	CM039-5HP	CM039-20HP	CM039-100HP	CM039-500HP	CM039-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 Interleukin-34 (IL-34) is a 30 kDa cytokine with 223 amino acid residues. IL-34 is a ligand of CSF-1R and secreted from CSF-1R expressing cells like myeloid cells, epithelial cells, endothelial cells, fibroblasts, and neurons. IL-34 mediates cell survival, proliferation, cytokine/chemokine expression, and migration via activating several signaling pathways. Moreover, it also plays a critical role in developing and maintaining the mononuclear phagocytic system.

别称 interleukin 34, C16orf77, IL34

蛋白编码 Q6ZMJ4

分子量 The protein has a calculated MW of 26.17 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).

表达系统 Escherichia coli

纯度 >98% as determined by SDS-PAGE and SEC-HPLC.

生物活性 Measure by its ability to induce human peripheral blood monocytes (PBMCs) proliferation. The ED₅₀ for this effect is <30 pg/mL.

内毒素检测 <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列 MNEPLEMWPLTQNEECTVTGFLRDKLQYRSRLQYMKHYFPINYKISVPYEGVFRIANVTRLQR AQVSERELRYLWVLVLSATESVQDVLLEGHPSWKYLQEVEPLLNVQQGLTDVEVSPKVESVL SLLNAPGPNLKLRPKALLDNCFRVMELLYCSCCKQSSVLNWQDCEVPSPQSCPEPSLQYAA TQLYPPPPWSPSSPPHSTGSVRPVRAQGEGLLP 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 ($\geq 20 \mu\text{l}$).
- 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

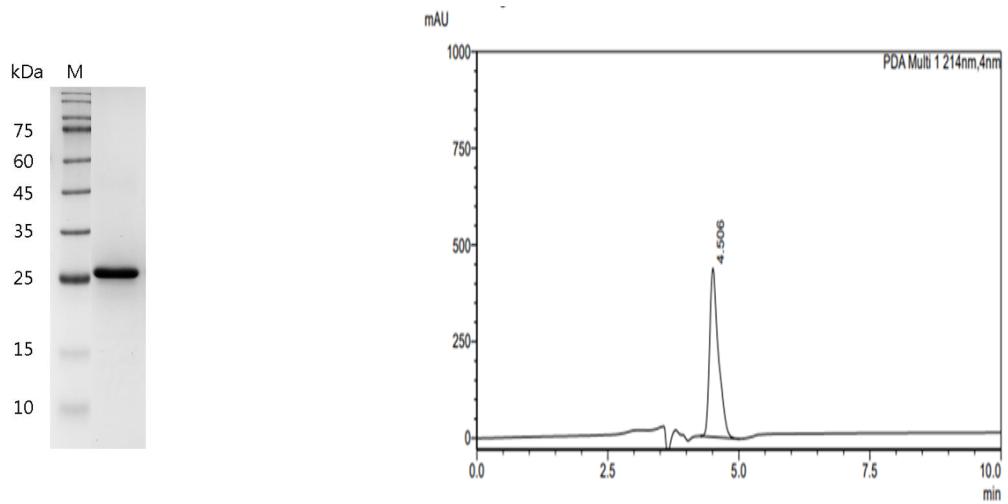
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



SDS-PAGE analysis of recombinant human IL-34

The purity of recombinant human IL-34 is greater than 98% as determined by SEC-HPLC.

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