

CHAMOT

**重组小鼠白细胞介素34 /Recombinant IL-34,
Mouse, Animal-Free**

CM031-5MP

CM031-20MP

CM031-100MP

CM031-500MP

CM031-1000MP



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

重组小鼠白细胞介素34 /Recombinant IL-34, Mouse, Animal-Free

产品编号	CM031-5MP	CM031-20MP	CM031-100MP	CM031-500MP	CM031-1000MP
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 23.98 kDa cytokine with 216 amino acid residues. IL-34 is a ligand of the colony-stimulating factor 1 receptor (CSF-1R) and is mainly secreted from the adrenal, frontal lobe, and cortex. IL-34 play a vital role in the proliferation, survival, differentiation, and migration of myeloid cells. These functions are mediated by IL-33 activating ERK1 /2, JAK, and PI3K/AKT signal pathways.

别称

interleukin 34, 2010004A03Rik, IL34

蛋白编码

Q8R1R4

分子量

The protein has a calculated MW of 25.52 kDa. The protein migrates about 25 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 proliferation in NFS-60 cells. The ED₅₀ for this effect is <30 ng/mL. The specific activity of recombinant mouse IL-34 is > 3.3 x 10⁴ IU/mg.

内毒素检测

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

蛋白序列

MNENLEIWTLTQDKECDLTGYLRGKLQYKNRLQYMKHYFPINYRIAVPYEGVLRVANITRLQKA
HVSERELRYLWVLVSLNATESVMDVLLEGHPSPWKYLQEVQTLLENVQQRSLMDVEIGPHVEAVL
SLLSTPGLSLKLVRPKALLDNCFRVMELLYCSCCKQSPILKWQDCELPRLPHSPGSLMQCTAT
NVYPLSRQTPTSLPGSPSSSHGSLP 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 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

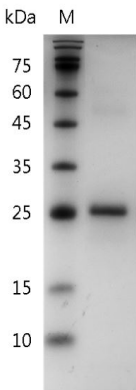
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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