

CHAMOT

重组人白细胞介素38 /Recombinant IL-38, Human, Animal-Free

CM045-5HP



CM045-20HP



CM045-100HP



CM045-500HP



CM045-1000HP



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38 /Recombinant IL-38, Human, Animal-Free

产品编号	CM045-5HP	CM045-20HP	CM045-100HP	CM045-500HP	CM045-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin-38 (IL-38) is a member of the interleukin-1 cytokine family. IL-38 is a ligand for soluble IL-1 receptor type I (IL-1RI). IL-38 could block the IL-36 pathway by inhibiting the IL-36 cytokine binding to their receptor. This process shows that IL-38 has anti-inflammatory properties. IL-38 is expressed in the immune organs, specifically in the skin and the tonsil, indispensable for B cell proliferation.

别称

interleukin 38, interleukin 1 family member 10, IL1F10, FIL1-theta, FKSG75, IL-1HY2, IL1-theta, IL1HY2, IL38

蛋白编码

Q8WWZ1

分子量

The protein has a calculated MW of 17.78 kDa. The protein migrates as 21 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

Testing in process

内毒素检测

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

蛋白序列

MCSLPMARYIILKYADQKALYTRDGQLLVGDPVADNCCAEKICTLPNRGLDRTKVPIFLGIQGG
SRCLACVETEEGPSLQLEDVNIEELYKGGEETRFTFFQSSSGSAFRLEAAAWPGWFLCGPAEPQ
QPVQLTKESEPSARTKFYFEQSW 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 ($\geq 20 \mu\text{l}$).
- 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

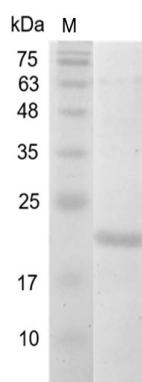
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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-38

For Research Use or Further Manufacturing Only

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