

CHAMOT

**重组小鼠白细胞介素38 /Recombinant IL-38,
Mouse, Animal-Free**

CM037-5MP

CM037-20MP

CM037-100MP

CM037-500MP

CM037-1000MP



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

| | | | | | |
|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM037-5MP | CM037-20MP | CM037-100MP | CM037-500MP | CM037-1000MP |
| 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 16.87 kDa cytokine with 152 amino acid residues and a member of the interleukin-1 (IL-1) family. IL-38 is primarily secreted from basal epithelia of the skin and B cells of the tonsil, spleen, and thymus. It plays essential roles in inflammation and host defense by mediating NF-κB, AP1, and JNK signaling pathways when IL-38 binds to the receptors like IL1RAPL1 and IL-36R. In addition, IL-38 participates in down-regulating cell proliferation, migration, and up-regulating IL-6 and IL-10.

别称

interleukin 38, interleukin 1 family, member 10, IL1F10, IL38

蛋白编码

Q8R459

分子量

The protein has a calculated MW of 17.89 kDa. The protein migrates as 17-25 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

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

MCSLPMARYYIIKDAHQKALYTRNGQLLLGDPDSNYSPEKVCILPNRGLDRSKVPIFLGMQG
GSCCLACVKTREGPLLQLEDVNIEDLYKGGEQTTRFTFFQSLGSAFRLEAAACPGWFLCGPAE
PQQPVQLTKESEPSTHTEFYFEMSR 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

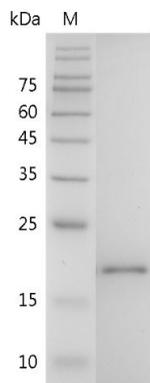
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491