

CHAMOT

**重组人白细胞介素36 beta /Recombinant IL-36
beta, Human, Animal-Free**

CM041-5HP

CM041-20HP

CM041-100HP

CM041-500HP

CM041-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人白细胞介素36 beta /Recombinant IL-36 beta, Human, Animal-Free

产品编号	CM041-5HP	CM041-20HP	CM041-100HP	CM041-500HP	CM041-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin-36 beta (IL-36 β) is an 18 kDa cytokine with 154 amino acid residues. IL-36 β , the ligand of IL-36R, is expressed in keratinocytes and plays a significant role in inflammatory responses. IL-36 β regulates biological functions like the differentiation of T cells. Moreover, IL-36 β recruits neutrophils via inducing the expression of cytokines and chemokines, such as IL-17C, granulocyte colony-stimulating factor (G-CSF), IL-8, CXCL-1, and tumor necrosis factor (TNF).

别称

interleukin 36 beta, IL-1F8, IL-1H2, IL-1 eta, IL36, IL36B

蛋白编码

NP_775270.1

分子量

The protein has a calculated MW of 18.17 kDa. The protein migrates as 18 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 IL-8 secretion in human PBMCs. The ED₅₀ for this effect is <0.2 ng/mL.

内毒素检测

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

蛋白序列

MREAAPKSYAIRDSRQMVWVLSGNSLIAAPLSRSIKPVTLHLIACRDTEFSDKEKGNMVYLGIK
GKDLCLFCAEIQ GKPTLQLKEKNIMDL YVEKKAQKPFLFFHNKEGSTSVFQSVSYPGWFIATSTT
SGQPIFLTKERGITNNTNFYLD SVE 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

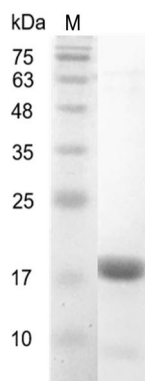
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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