

CHAMOT

重组小鼠白细胞介素36 alpha /Recombinant IL-36 alpha, Mouse, Animal-Free

CM032-5MP

CM032-20MP

CM032-100MP

CM032-500MP

CM032-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组小鼠白细胞介素36 alpha /Recombinant IL-36 alpha, Mouse, Animal-Free

产品编号	CM032-5MP	CM032-20MP	CM032-100MP	CM032-500MP	CM032-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 36 alpha (IL-36 alpha) is a 17.76 kDa cytokine with 160 amino acid residues. IL-36 alpha is an IL-1 family member, which binds to the Interleukin-1 receptor and is expressed in the lung, stomach, and placenta. IL-36 alpha is critical in inflammatory responses and stimulates the production of proinflammatory cytokines, such as IL-12, IL-1 β , IL-6, and TNF- α . It also induces the generation of IFN γ , IL-4, and IL-17 in CD4 $^{+}$ T cells.

别称

interleukin 36 alpha, IL36A, Interleukin-1 family member 6 (IL-1F6), FIL1 ϵ (FIL1E), Interleukin-1 ϵ (IL1E), Fi, Fil, Fil1, IL-1, IL-1H1, IL1RP2, IL36

蛋白编码

Q9JLA2

分子量

The protein has a calculated MW of 18.82 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

Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <15 ng/mL. The specific activity of recombinant mouse IL-36 alpha is > 1 x 10⁵ IU/mg.

内毒素检测

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

蛋白序列

MNKEKELRAASPSLRHVQDLSSRVWILQNNILTAVPRKEQTPVPTITLLPCQYLDLTLETNRGDP
TYMGVQRPMSCLFCTKDGEQPVQLQEGNIMEMYNKKEPVKASLFYHKKSGTTSTFESAAPF
GWFIIVCSKGSCLILTQELGEIFITDFEMIVVH 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

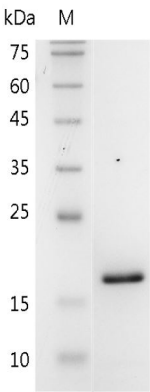
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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