

CHAMOT

**重组小鼠干扰素beta 1a /Recombinant IFN beta 1a,
Mouse, Animal-Free**

CM051-5MP

CM051-20MP

CM051-100MP

CM051-500MP

CM051-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组小鼠干扰素beta 1a /Recombinant IFN beta 1a, Mouse, Animal-Free

产品编号	CM051-5MP	CM051-20MP	CM051-100MP	CM051-500MP	CM051-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interferon Beta 1a (IFN beta 1a) is a leukocyte interferon, which is a variant of Interferon beta. IFN beta 1a is a 17.87 kDa protein containing 161 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.

别称

interferon beta 1a, IFNB1, Type I Interferon

蛋白编码

P01575

分子量

The protein has a calculated MW of 20.68 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 protect HeLa cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <5 pg/mL. The specific activity of recombinant mouse IFN beta 1a is > 1 x 10⁹ IU/mg.

内毒素检测

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

蛋白序列

MINYKQLQLQERTNIRKQCELLEQLNGKINLTyrADFKIPMEMTEKMQKSYTAFAIQEMLQNV
FLVFRNNFSSTGWNETIVVRLDELHQQTvFLKTVLEEKQEERLTWEMSSSTALHLKSYWVRVQ
RYLKLMKYNSYAWMVVRAEiFRNfLIIRLrTRNFQN 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

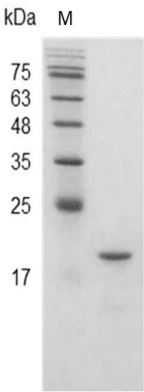
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



文献引用

- RTP4 restricts lyssavirus rabies infection by binding to viral genomic RNA. Veterinary Microbiology. 19 June 2024, 110159. (IF 2.4)(Mouse IFN- β)

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