

CHAMOT

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

CM034-5MP

CM034-20MP

CM034-100MP

CM034-500MP

CM034-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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

产品编号	CM034-5MP	CM034-20MP	CM034-100MP	CM034-500MP	CM034-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 36 gamma (IL-36 gamma) is a 17.65 kDa cytokine with 159 amino acid residues. IL-36 gamma is a member of the IL-1 family and is mainly expressed in keratinocytes, bronchial epithelial cells, macrophages, and monocyte. This cytokine responds to multiple pathogen-associated molecular patterns (PAMPs) and participates in the inflammatory response. In addition, it also induces the production of pro-inflammatory cytokines like IL-12, IL-1 β , IL-6, TNF- α , and IL-23.

别称

interleukin 36 gamma, interleukin 1 family, member 9, IL-1F9, IL36g, IL36

蛋白编码

Q8R460

分子量

The protein has a calculated MW of 18.27 kDa. The protein migrates about 17 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 gamma is > 6 x 10⁴ IU/mg.

内毒素检测

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

蛋白序列

MGRETPDFGEVFDLDQQVWIFRNQALVTVPRSHRVTPVSVTILPCKYPESLEQDKGIAIYLGIQ
NPDKCLFCKEVNGHPTLLLKEEKILDLYHHPEPMKPFLFYHTRTGGTSTFESVAFPGHYIASSKTG
NPILFTSKKGEYYNINFNLDIKS with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 50 mM Tris, 150 mM NaCl, pH 8.5. 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

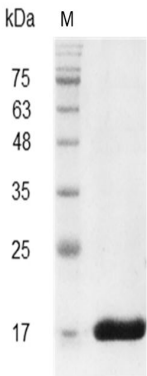
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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