

CHAMOT

重组人白细胞介素2 / Recombinant IL-2, Human, GMP

CM004-100HPG

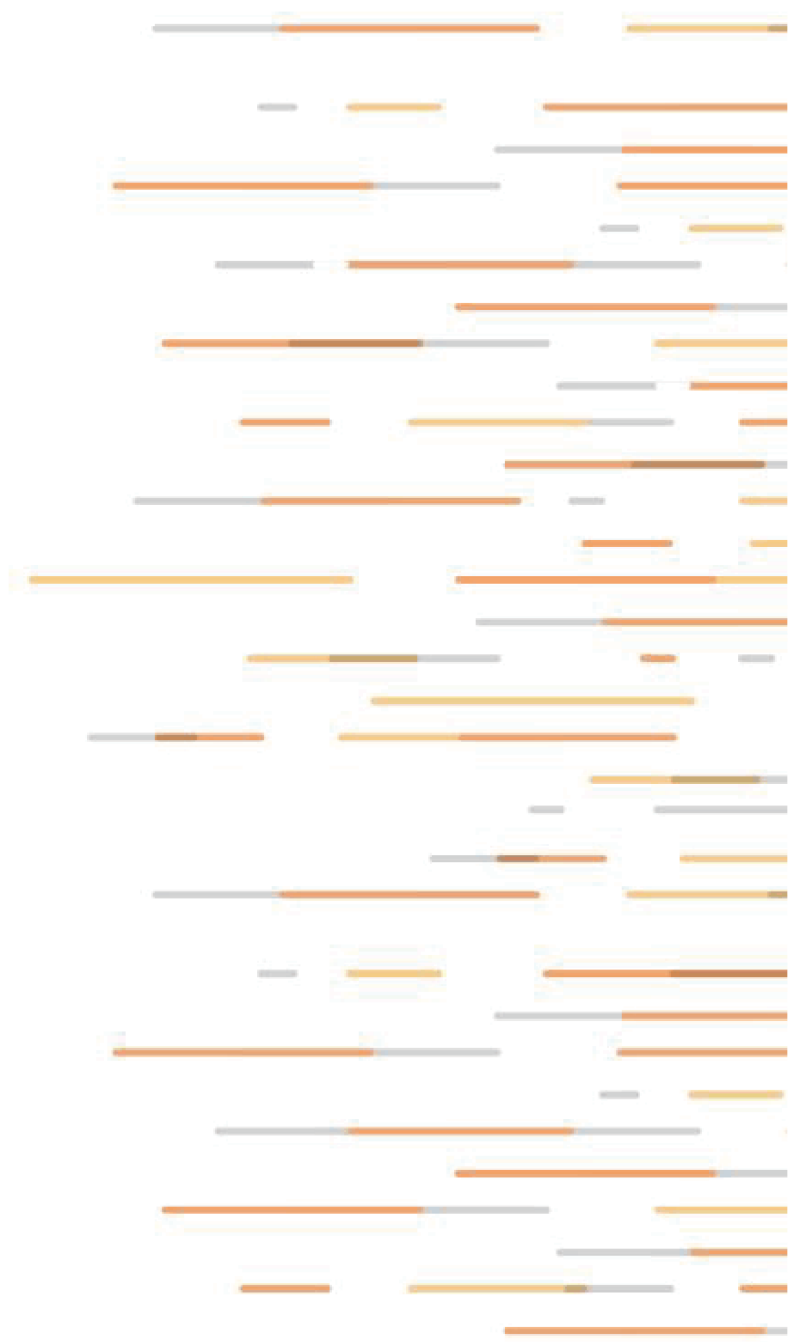
CM004-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人白细胞介素2 / Recombinant IL-2, Human, GMP

产品编号	规格
CM004-100HPG	100 ug
CM004-1000HPG	1 mg

产品简介**背景描述**

Interleukin-2 (IL-2) is a 15.5 kDa four bundle, immuno-modulatory cytokine which is expressed predominately by antigen-simulated CD4+ T cells, CD8+ T cells, natural killer (NK) cells, and dendritic cells (DC). IL-2 plays a fundamental role in promoting NK cell proliferation, cytotoxicity, and B cells differentiation. IL-2 modulate T cell differentiation programs, promoting naïve CD4+ T cell differentiation into T helper-1 (Th1) and T helper-2 (Th2) cells.

别称

interleukin 2, T-cell Growth Factor (TCGF), Aldesleukin, IL2

蛋白编码

P60568

分子量

The protein has a calculated MW of 16.4 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>97% as determined by SDS-PAGE analysis.

生物活性

Measure by its ability to induce proliferation in CTLL-2 cells. The ED₅₀ for this effect is <3 ng/mL. The specific activity of recombinant human IL-2 GMP is >5 x 10⁶ IU/mg, which is calibrated against the human IL-2 WHO International Standard (NIBSC code: 86/500).

内毒素检测

<0.05 EU per 1 µg of the protein by the LAL method.

蛋白序列

MAPTSSSTKKTQLQLEHLLLDLQMLNGINNYKNPKLTRMLTFKIFYMPKKATELKHLQCLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT with polyhistidine tag at the C-terminus.

支原体

Not detected

产品形式

Lyophilized from a 0.2 µm filtered solution of NaPi buffer, 0.018% SDS, pH 7.5.

产品应用

Cell Culture

产品使用

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

产品储存/运输

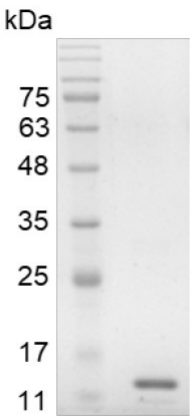
储存

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

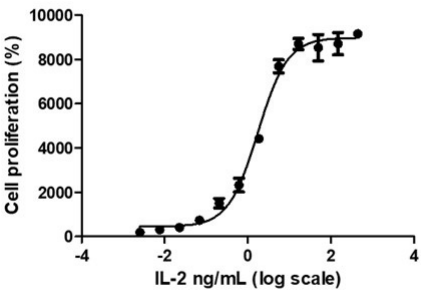
运输

Blue Ice

实验数据展示



SDS- PAGE analysis of GMP human IL-2



GMP Human IL-2 Protein, His Tag, E. coli induces CTLL-2 cell proliferation, with the ED₅₀ < 3.0 ng/mL.