

CHAMOT

Recombinant Human IL-7

CM009-5HP
CM009-20HP
CM009-100HP
CM009-500HP
CM009-1000HP



CHAMOT

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Recombinant Human IL-7 (Interleukin-7)

编号:	CM009-5HP CM009-20HP CM009-100HP CM009-500HP CM009-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. It is important for proliferation during certain stages of B-cell maturation, T and NK cell survival, development and homeostasis.

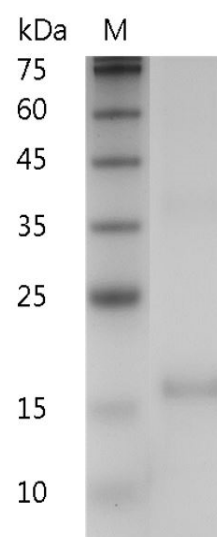
来源: *Escherichia coli*

纯度: >95% as determined by SDS-PAGE. Ni-NTA chromatography

生物学活性: Measured by its ability to induce PHA-activated human PBMCs proliferation. The ED₅₀ for this effect is <0.8 ng/mL. The specific activity of recombinant human IL-7 is > 1 x 10⁸ units/mg.

内毒素检测: <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列: MDCDIEGKDGKQYESVLMVSIQQLD
SMKEIGSNCLNNEFNFFKRHICDANK
EGMFLFRAARKLRQFLKMNSTGDFDL
HLLKVSEGTILLNCTGQVKGRKPAAL
GEAQPTKSLEENKSLKEQKLNLCFL
KRLLQEIKTCWNKILMGTKEH with
polyhistidine tag at the C-terminus



SDS-PAGE analysis of recombinant human IL-7

产品组成

成分：从含有 1X PBS, pH 8.0 溶液中冻干的蛋白质。

产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液（初始）	2°C至8°C	不超过1周
重悬液（经稀释）	-20°C至-80°C	3到6个月

运输方式：蓝冰

产品使用

- 1、开盖前，建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉，溶液浓度不低于100 μ g/mL，不高于1mg/mL，并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液，2-8°C无菌保存不超过1周。
- 4、如需长期保存，推荐使用无菌的含载体蛋白（如0.1% BSA、10% FBS 或5% HSA）的溶液进一步稀释（不低于10 μ g/mL）后分装保存，-20°C至-80°C无菌保存3到6个月。无血清实验需求时，可更换为5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;
FACS= Fluorescence activated Cell Sorting; FA= Functional Assay