

CHAMOT

Recombinant IL-7, Human, GMP

CM009-100HPG
CM009-1000HPG



CHAMOT

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Recombinant IL-7 (Interleukin-7), Human, GMP

编号:	CM009-100HPG CM009-1000HPG	规格:	100 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 IL-7 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.

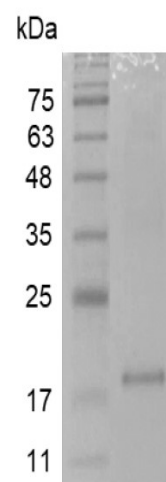
来源: *Escherichia coli*.
Animal-free reagent and laboratory.
Manufactured and tested under GMP guideline.

纯度: >97% as determined by SDS-PAGE analysis.

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 GMP is > 1 x 10⁸ unit/mg, which is calibrated against the human IL-7 WHO Reference Reagent (NIBSC code: 90/530).

内毒素检测: <0.05 EU per 1 µg of the protein by the LAL method.

蛋白序列: MDCDIEGKDGKQYESVLMVSIQQLDSMKEIG
SNCLNNEFNFFKRHICDANKEGMFLFRAARKL
RQFLKMNSTGDFDLHLLKVSEGTILLNCTGQV
KGRKPAALGEAQPTKSLEENKSLKEQKKLNDLC
FLKRLLEIKTCWNKILMGTKEH with
polyhistidine tag at the C-terminus.



SDS-PAGE analysis of recombinant IL-7,
Human, GMP

产品组成

成分: 从含有 1X PBS, pH 8.0 溶液中冻干的蛋白质,
无任何动物源性成分.

产品储存

储存: -20°C冻干粉保存 1 年.
运输: 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500µg/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10ug/mL）后分装保存，-20至-80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。

产品规范

CHAMOT GMP recombinant proteins are manufactured in ISO 13485:2016 and GMP certified facility.
The processes include:

- ★Testing and traceability of raw material
- ★Records of the maintenance and equipment calibration
- ★Personnel training records
- ★Batch-to-batch consistency
- ★Documentation of QA control and process changes
- ★Manufactured and tested under an ISO 13485:2016 certified quality management system
- ★Stability monitor of product shelf-life

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