

# CHAMOT

**Recombinant GM-CSF, Human, GMP**

CM115-100HPG  
CM115-1000HPG



**CHAMOT**

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## Recombinant GM-CSF (Granulocyte-macrophage colony-stimulating factor), Human, GMP

编号:	CM115-100HPG CM115-1000HPG	规格:	100 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

### 产品简介

**描述:** Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts that functions as a cytokine. GM-CSF also plays a role in embryonic development by functioning as an embryokine produced by reproductive tract.

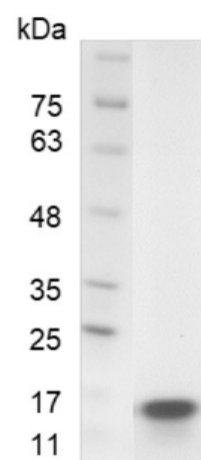
**来源:** *Escherichia coli*.  
Animal-free reagent and laboratory.  
Manufactured and tested under GMP guideline.

**纯度:** >98% as determined by SDS-PAGE analysis. SDS-PAGE analysis of recombinant GM-CSF, Human,

**生物学活性:** Measure by its ability to induce TF-1 cells proliferation. The ED<sub>50</sub> for this effect is <80 pg/mL. The specific activity of recombinant human GM-CSF is approximately >1 x 10<sup>7</sup> IU/mg.

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

**蛋白序列:** APARSPSPSTQPWEHVNAIQEARRLLNLSRDT  
AAEMNETVEISEMFDLQEPTCLQTRLELYKQG  
LRGSLTKLKGPLTMMASHYKQHCPPTPETS  
CA TQIITFESFKENL KD FLLVIPFDCWEPVQE with polyhistidine tag at the N-terminus.





## 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°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10ug/mL) 后分装保存, -20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。

## 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

**CHAMOT Biotechnology (Shanghai) Co., Ltd.**

**For Research Use Only. Not for use in diagnostic or therapeutic procedures**