

CHAMOT

Recombinant EGF, Human, GMP

CM120-100HPG
CM120-1000HPG



CHAMOT

喬默生物技術(上海)有限公司
CHAMOT BIOTECHNOLOGY CO., LTD.

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Recombinant EGF (Epidermal growth factor), Human, GMP

编号: CM120-100HPG
CM120-1000HPG

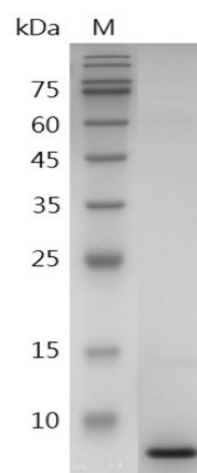
规格: 100 µg
1 mg

类别: 重组蛋白

应用: Functional Assay

产品简介

描述: Epidermal growth factor (EGF) stimulates cell growth and differentiation by binding to its receptor, EGFR. Human EGF is a 6 kDa protein with 53 amino acid residues and three intramolecular disulfide bonds. EGF is present in various body fluids, including blood, milk, urine, saliva, seminal fluid, pancreatic juice, cerebrospinal fluid, and amniotic fluid. Biological activities ascribed to EGF include epithelial development, angiogenesis, inhibition of gastric acid secretion, fibroblast proliferation, and colony formation of epidermal cells in culture.



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

SDS-PAGE analysis of recombinant EGF ,
Human, GMP

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

生物学活性: Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is <1.0 ng/mL. The specific activity of recombinant human EGF is approximately $>1.0 \times 10^6$ IU/mg.

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



蛋白序列: MNSDSECPLSHDGYCLHDGVCMYIEALDKYA
CNCVVG YIGERCQYRDLKWWEL RLE with
polyhistidine tag at the C-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

CHAMOT Biotechnology (Shanghai) Co., Ltd.

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