

# CHAMOT

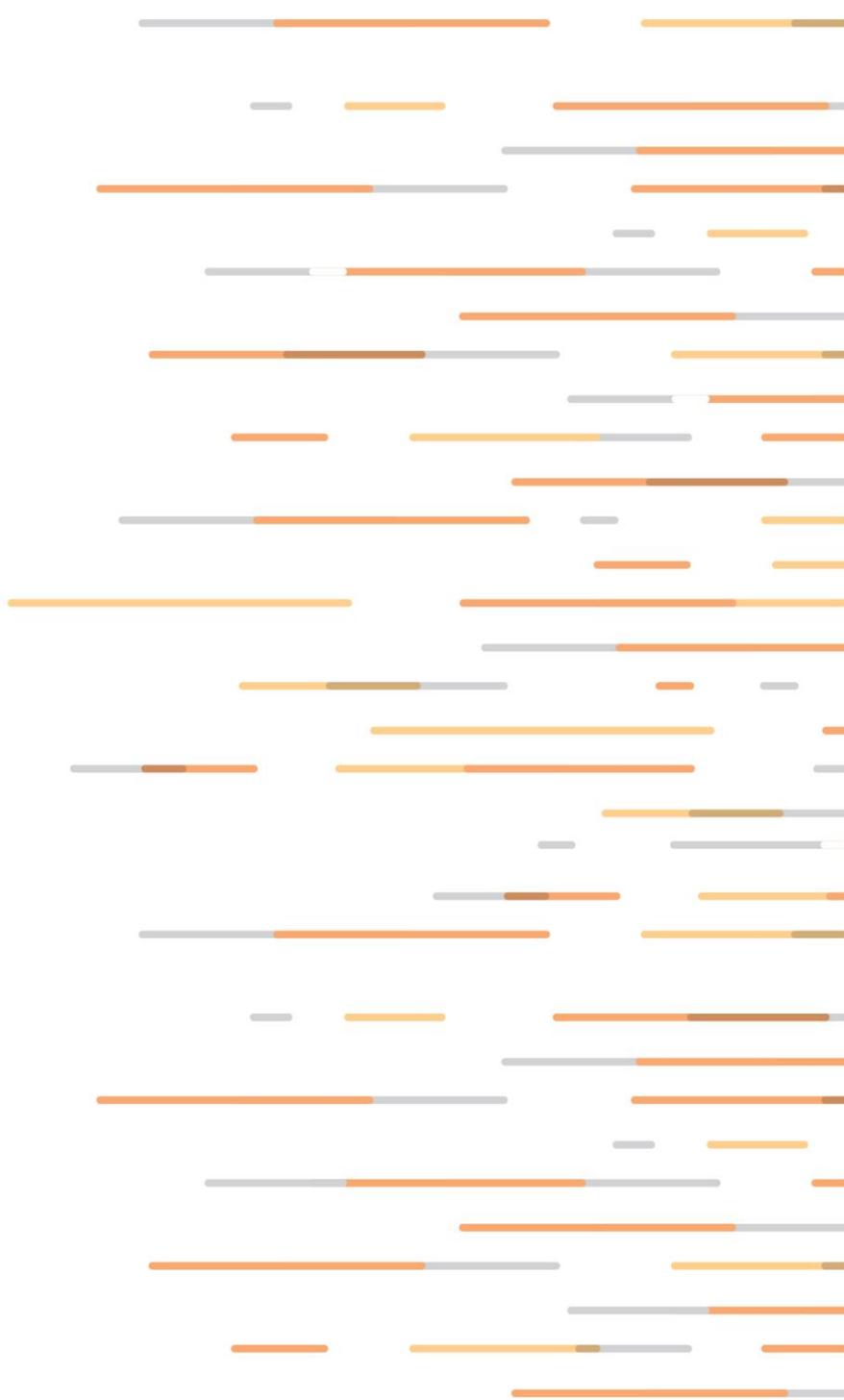
## Recombinant Activin A, Human, GMP

CM118-100HPG  
CM118-1000HPG



CHAMOT

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



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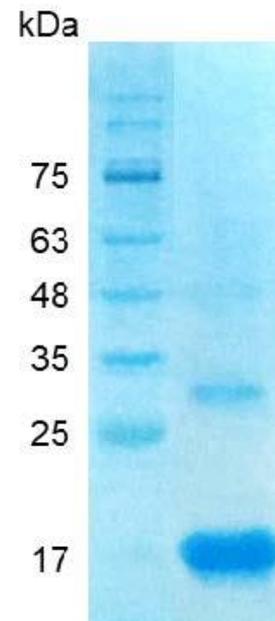
## Recombinant Activin A, Human, GMP

编号: CM118-100HPG  
 CM118-1000HPG  
 类别: 重组蛋白

规格: 100 µg  
 1 mg  
 应用: Functional Assay

### 产品简介

**描述:** Activin and Inhibin are members of the TGF-beta superfamily of cytokines and are involved in a wide range of biological processes including tissue morphogenesis and repair, fibrosis, inflammation, neural development, hematopoiesis, reproductive system function, and carcinogenesis. Activin A is strongly expressed in wounded skin, and overexpression of Activin A in epidermis of transgenic mice improves wound healing and enhances scar formation. Activin A also regulates the morphogenesis of branching organs such as the prostate, lung, and kidney. There is also evidence showed that lack of Activin A during development results in neural developmental defects.



SDS-PAGE analysis of recombinant Activin A , Human, GMP

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

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

**生物学活性:** Measure by its ability to induce hemoglobin expression in K562 cells. The ED<sub>50</sub> for this effect is <0.85 ng/mL. The specific activity of recombinant human Activin A is approximately >1.4 x 10<sup>3</sup> IU/mg.

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

蛋白序列: MGLECDGKVNICCKKQFFVSKDIGWNDWIIA  
PSGYHANYCEGECPSHIAGTSGSSLSFHSTVIN  
HYRMRGHSPFANLKSCCVPTKLRPMSMLYYD  
DGQNIKKDIQNMI VEECGCS 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、推荐使用无菌水重悬冻干粉, 溶液浓度不低于 100 µg/mL,  
并静置至少 20min 以充分溶解.
- 2、重悬后的溶液可进一步稀释分装, 置于 2-8°C有效期 1-2 周,  
-20°C至-80°C有效期 1 个月; 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**