

## Recombinant Human Activin B

编号: PY2102

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:** Activins and inhibins, members of the TGF-beta superfamily, are disulfide-linked dimeric proteins that were originally purified from gonadal fluids as proteins that stimulated or inhibited, respectively, pituitary follicle stimulating hormone (FSH) release. Activin is strongly expressed in wounded skin, and overexpression of activin in epidermis of transgenic mice improves wound healing and enhances scar formation. Activin also regulates the morphogenesis of branching organs such as the prostate, lung, and kidney. There is also evidence showed that lack of activin during development results in neural developmental defects.

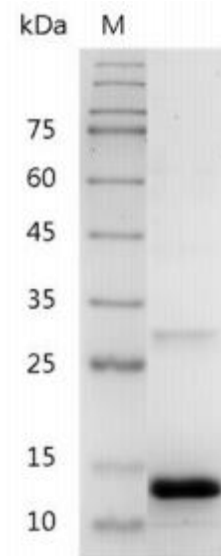
**来源:** *Escherichia coli*

**纯度:** >98% 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 <0.7 ng/mL. The specific activity of recombinant human Activin B is >1.5 x 10<sup>6</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:** MGLECDGRTNLCCRQQFFIDFRLIGW  
NDWIIAPTGYGNYCEGSCPAYLAGV  
PGSASSFHTAVVNQYRMRGLNPGTV  
NSCCIPTKLSTMSMLYFDDEYNIVKRD



SDS-PAGE analysis of recombinant human Activin B

VPNMIVEECGCA with polyhistidine tag at the C-terminus

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100µg/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10ug/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