

Recombinant Human BMP- 14 (Bone morphogenetic protein- 14)

编号: PY2112

规格: 5 μ g
20 μ g
100 μ g
500 μ g
1 mg

类别: 重组蛋白

应用: Functional Assay

产品简介

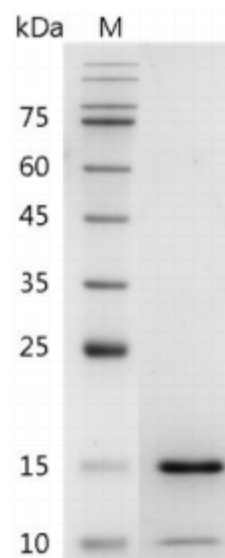
描述: Bone morphogenetic proteins (BMPs) are a group of growth factors also known as cytokines and as metabologens. BMP-14 is a principal inhibitor of cartilage development and is predominantly expressed in long bone during human embryonic development. Recombinant human BMP-14 is a 27 kDa homodimeric protein consisting of two 120 amino acid polypeptide chains.

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 alkaline phosphatase production by ATDC5 cells. The ED_{50} for this effect is < 14 ng/mL.

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

蛋白序列: MAPLATRQGKRPSKLNKARCSRKAL
HVNFKDMGWDDWIIAPLEYEAFHCE
GLCEFPLRSHLEPTNHAVIQTLMNSM
DPESTPPTCCVPTRLSPISILFIDSANN
VVYKQYEDMVVESCGR with
polyhistidine tag at the C-terminus



SDS-PAGE analysis of recombinant human BMP- 14

产品组成

成分： 从含有 20 mM sodium citrate, 0.2 M NaCl, pH 3.5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

- 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100 μ g/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10 μ g/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