

CHAMOT

Recombinant Human BMP-14

CM076-5HP
CM076-20HP
CM076-100HP
CM076-500HP
CM076-1000HP



CHAMOT

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

编号:	CM076-5HP	规格:	5 µg
	CM076-20HP		20 µg
	CM076-100HP		100 µg
	CM076-500HP		500 µg
	CM076-1000HP		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.

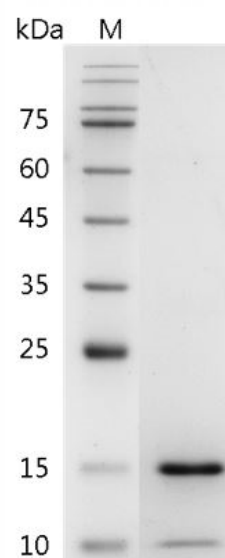
来源: *Escherichia coli*

纯度: >98% as determined by SDS-PAGE.

生物学活性: Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED₅₀ for this effect is < 14 ng/mL.

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

蛋白序列: MAPLATRQGKRPSKLNKARCSRKAL
 HVNFKDMGWDDWIIAPLEYEAFHCE
 GLCEFPLRSHLEPTNHAVIQITLMNSM
 DPESTPPTCCVPTLSPISILFIDSANN
 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 4.5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