

CHAMOT

Recombinant Human BMP-1 1

CM073-5HP
CM073-20HP
CM073-100HP
CM073-500HP
CM073-1000HP



CHAMOT

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Recombinant Human BMP-11 (Bone morphogenetic protein-11)

编号:	CM073-5HP CM073-20HP CM073-100HP CM073-500HP CM073-1000HP	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: BMPs (bone morphogenetic proteins) belong to the TGF-beta superfamily of structurally related signaling proteins. BMP-11 is a regulator of cell growth and differentiation during muscular and neural development. BMP-11 binds the transforming growth factor-beta receptors ALK4, ALK5, and ALK7 to activate SMAD signaling. In adults, exogenous BMP-11 promotes cardiomyocyte regeneration to reverse age-related cardiac hypertrophy.

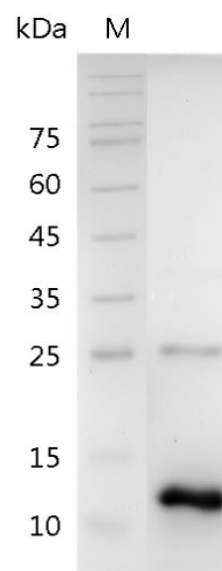
来源: *Escherichia coli*

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 < 11 ng/mL. Measure by its ability to induce hemoglobin expression in K562 cells. The ED₅₀ for this effect is < 4 ng/mL.

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

蛋白序列: MNLGLDCDEHSSERCCRYPLTVDFE
AFGWDWIIAPKRYKANYCSGQCEYM
FMQKYPHTHLVQQANPRGSAGPCCT
PTKMSPINMLYFNDKQQIIYGKIPGM
VVDRCGCS with polyhistidine tag at the C-terminus



SDS-PAGE analysis of recombinant human BMP-11

产品组成

成分： 从含有 20 mM sodium citrate, 0.2 M NaCl, 50 mM L-arginine, 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5 min。
- 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