

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

编号: PY2109

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

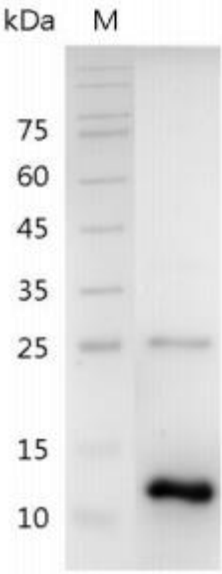
描述: BMPs (bone morphogenetic proteins) belong to the TGF-beta superfamily of structurally related signaling proteins. BMP-11 is a regulator of cell growth and differentiation during muscular and neural development. BMP- 11 binds the transforming growth factor-beta receptors ALK4, ALK5, and ALK7 to activate 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. Ni- NTA chromatography.

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: MNLGLDCDEHSSESRCCRYPLTVDFE
AFGWDWIIAPKRYKANYCSGQCEYM
FMQKYPHTHLVQQANPRGSAGPCCT
PTKMSPINMLYFNDKQQIIYGKIPGM
VVDRCGCS with polyhistidine tag at the C-terminus



SDS- PAGE analysis of recombinant human BMP- 1 1

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℃至-80℃	自收到之日起1年
重悬液 (初始)	2℃至8℃	不超过1周
重悬液 (经稀释)	-20℃至-80℃	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℃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℃至-80℃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