# CHAMOT

## Recombinant Human BMP-16

CM078-5HP
CM078-20HP
CM078-100HP
CM078-500HP
CM078-1000HP

CHAMOT
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CONTENT

# Recombinant Human BMP-16 (Bone morphogenetic protein-16)

| | | | |
|---|---|---|---|
| 编号: | CM078-5HP | 规格: | 5 μg |
| | CM078-20HP | | 20 μg |
| | CM078-100HP | | 100 μg |
| | CM078-500HP | | 500 μg |
| | CM078-1000HP | | 1 mg |
| 类别: | 重组蛋白 | 应用: | Functional Assay |

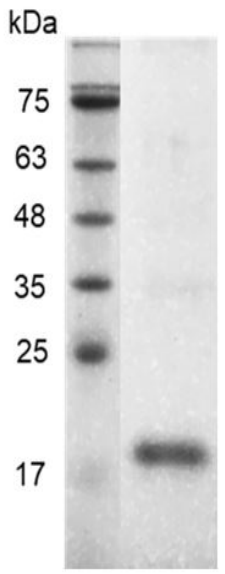
## 产品简介

描述: Bone morphogenetic proteins (BMPs) are a group of growth factors also known as cytokines and as metabologens. Originally discovered by their ability to induce the formation of bone and cartilage, BMPs are now considered to constitute a group of pivotal morphogenetic signals, orchestrating tissue architecture throughout the body. The important function of BMP signals is emphasized by the multitude of roles for dysregulated BMP signaling in pathological processes . The cancerous disease often involves misregulation of the BMP signaling system. BMP-16 protein, like other bone morphogenetic proteins, plays an important role in the development of bone and cartilage.

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 $ED_{50}$ for this effect is is < 2.2 ng/mL.




SDS-PAGE analysis of recombinant human BMP-16

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

蛋白序列： MHHLPDRSQLCRKVKFQVDFNLIGW GSWIIYPKQYNAYRCEGECPNPVGEE FHPTNHAYIQSLLKRYQPHRVPSTCC APVKTKPLSMLYVDNGRVLLDHHKD MIVEECGCL with polyhistidine tag at the C-terminus

## 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℃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