

## BMP-2/LEM/MCF, Human, Recombinant

货号: PCK273

## 产品信息

别名 Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF) Pricella

物种 Human

表达宿主 E.coli

序列信息 MQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECP

FPLADHLNSTNHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVL

KNYQDMVVEGCGCR with polyhistidine tag at the C-terminus

检索号 P12643

分子量 13.76 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce alkaline phosphatase production by ATDC5

cells. The ED50 for this effect is <9.5 ng/mL. The specific activity of recombinant

BMP-2 is  $> 3.2 \times 10^6 \text{IU/mg}$ .

# 产品特性

>95% as determined by SDS-PAGE. Ni-NTA chromatography. 纯度

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

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,

> store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1%BSA,10%FBS,5%HSA or 5% trehalose solution),

protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 20 mM

sodium citrate, 0.2 M NaCl, pH 3.5.

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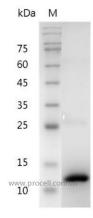
#### 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

BMP-2 like other bone morphogenetic proteins, plays an important role in the development of bone and cartilage. It is involved in the hedgehog pathway, TGF beta signaling pathway, and in cytokinecytokine receptor interaction. It is also involved in cardiac cell differentiation and epithelial to mesenchymal transition. Like many other proteins from the BMP family, BMP-2 has been demonstrated to potently induce osteoblast differentiation in a variety of cell types. BMP-2 may be involved in white adipogenesis and may have metabolic effects.

### **SDS-PAGE**



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