

**BMP-15/GDF-9B/ODG2/POF4, Human, Recombinant**

货号：PCK280

**产品信息**

|      |                                                                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 别名   | Growth/Differentiation Factor-9B, GDF-9B, ODG2, POF4                                                                                                                          |
| 物种   | Human                                                                                                                                                                         |
| 表达宿主 | E.coli                                                                                                                                                                        |
| 序列信息 | MQADGISA EVTASSSKHSGPENNQCSLHPFQISFRQLGWDHWIAPPFYTPN<br>YCKGTCLRVLRDGLNSPNHAIQNLINQLVDQSVPRPSCVPYKYVPISVLM<br>EANGSILYKEYEGMIAESCTCR with polyhistidinetag at the C- terminus |
| 检索号  | O95972                                                                                                                                                                        |
| 分子量  | 14.88 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 <17 ng/mL.                                                       |

**产品特性**

|     |                                                                                                                                                                                                                                                                                                                            |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 纯度  | >98% as determined by SDS-PAGE. Ni-NTA chromatography                                                                                                                                                                                                                                                                      |
| 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.                                                                                                                                                                                                           |



## 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

Bone morphogenetic protein 15 is a protein, that in humans, is encoded by the BMP15 gene. It's mainly involved in folliculogenesis. The protein encoded by this gene is a member of the TGF-β superfamily. It is a paracrine signaling molecule involved in oocyte and follicular development. Using Northern blot analysis, BMP15 has been shown to be exclusively expressed in the ovaries. This protein may be involved in oocyte maturation and follicular development as a homodimer or by forming heterodimers with a related protein, Gdf9.

## SDS-PAGE

