

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 Pricella

物种 Human

表达宿主 E.coli

序列信息 MQADGISAEVTASSSKHSGPENNQCSLHPFQISFRQLGWDHWIIAPPFYTPN

YCKGTCLRVLRDGLNSPNHAIIQNLINQLVDQSVPRPSCVPYKYVPISVLMI

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

>98% 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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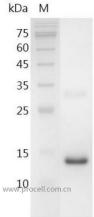
复融

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

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



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