

BMP-8a/BMP-8/OP-2, Human, Recombinant

货号: PCK292

产品信息

别名 BMP-8,OP-2,Osteogenic Protein-2 Pricella

物种 Human

表达宿主 E.coli

序列信息 MAVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQD

LGWLDWVIAPQGYSAYYCEGECSFPLDSCMNATNHAILQSLVHLMKPNAV

PKACCAPTKLSATSVLYYDSSNNVILRKHRNMVVKACGCH with

polyhistidine tag at the C-terminus.

检索号 AAP74559

分子量 16.61 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 10-19.4 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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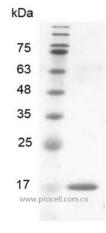
复融

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 8A (BMP8A) is a polypeptide member of the TGFβ superfamily of proteins. Like other BMPs, BMP8A is involved in the development of bone and cartilage. BMP8A may be involved in epithelial osteogenesis. It also plays a role in bone homeostasis. Human BMP-8a betw pricella is synthesized as a large precursor protein that is cleaved at a dibasic cleavage site (RTPR) between aa residues 263 and 264 to release a 139 aa carboxy-terminal domain.

SDS-PAGE



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