

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

货号：PCK292

产品信息

别名	BMP-8,OP-2,Osteogenic Protein-2
物种	Human
表达宿主	E.coli
序列信息	MAVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQD LGWLDWVIAPQGYSAYYCEGECFPLDSCMNATNHAILQSLVHLMKPNV 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

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 $\mu\text{g/mL}$. 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 TGF β 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 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

