

**BMP-8a/BMP-8/OP-2, Human, Recombinant****Cat. No. : GPCK292****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MAVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLGWLDWVIAPQ GYSAYYCEGECFPLDSCMNATNHAILQSLVHLMKPNVPAKACAPTCLSATSVLYYDSSNN VILRKHRNMVVKACGCH with polyhistidine tag at the C-terminus.
检索号	AAP74559
标签	His-tag at the C-terminus
分子量	16.61 kDa
有效期	12 months
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**

内毒素 (EU/μg)	< 0.1
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.
复溶	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 BMP8a 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.

