

BMP-7, Human, Recombinant

Cat. No. : GPCK372

产品信息

别名	bone morphogenetic protein 7;Osteogenic Protein-1 (OP-1);BMP7
物种	Human
表达宿主	E.coli
序列信息	MANVAENSSSDQRQACKKHELYVSFRDLGWQDWIIAPEGYAAYYCEGECAPLNSYMNATN HAIVQTLVHFINPETVPKCCAPTQLNAISVLVYFDDSSNVILKKYRNMVVRACGCH with polyhistidine tag at the C-terminus.
检索号	P18075
标签	His Tag (C-term)
分子量	14.00 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 < 0.65 µg/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 1× PBS, pH8.0.
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-7 (BMP-7) is an extracellular multifunctional cytokine that is also a member of the TGF-β family. BMP7 can significantly inhibit TGF-β through binding with TGF-β receptor and trigger SMAD transcription factors, such as SMAD 1/5/8. It plays a vital role in inhibiting the expansion of kidney damage and promoting the differentiation of osteoblasts.

