

BMP-7, Human, Recombinant

货号：PCK372

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	MANVAENSSSDQRQACKKHELYVSFRDLGWQDWIAPEGYAAYYCEGEC AFPLNSYMNATNHAIVQTLVHFINPETVPKPCCAPTQLNAISVLYFDDSSNV ILKKYRNMVVRACGCH with polyhistidine tag at the C-terminus.
检索号	P18075
分子量	14.00 kDa
标签	His Tag (C-term)
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

纯度	>95% 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 1× PBS, pH8.0.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g}/\text{mL}$. 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.

SDS-PAGE

