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32-1087: BMP 7 His Recombinant Protein

Alternative Name : Osteogenic Protein 1,OP-1,BMP-7,Bone morphogenetic protein 7,BMP7,OP1.

Description

Source : Escherichia Coli. BMP7 Human Recombinant produced in E.Coli is a monomeric, non-glycosylated, polypeptide chain containing 148 amino acids (293-431) and having a molecular mass of 16.8 kDa. The BMP-7 is fused to 8 amino acid His Tag at C-terminus & purified by proprietary chromatographic techniques. The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	BMP-7 protein solution contains 10mM sodium citrate pH=3.5 and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
Amino Acid :	MSTGSKQRSQ NRSKTPKNQE ALRMANVAEN SSSDQRQACK KHELYVSFRD LGWQDWIIAP EGYAAYYCEG ECAFPLNSYM NATNHAIVQTLVHFINPETV PKPCCAPTQL NAISVLYFDD SSNVILKKYR NMVVRACGCH LEHHHHHH.

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