

32-1085: BMP6 Recombinant Protein

Alternative Name : Bone morphogenetic protein 6,BMP-6,VG-1-related protein,VG-1-R,VGR-1,BMP6,VGR,VGR1.

Description

Source : Escherichia Coli. BMP6 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 164 amino acids (375-513) and having a molecular mass of 18kDa. BMP6 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules, which can induce ectopic bone growth. Various BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were initially identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based upon its expression early in embryogenesis, BMP6 has a suggested role in early development. Moreover, the fact that the BMP6 is closely related to BMP5 and BMP7 leads to an assumption of possible bone inductive activity.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The BMP6 solution (0.25mg/ml) contains 10mM Sodium citrate buffer (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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSSLVPRGSH MGSMSASSR RRQSRNRST QSQDVARVSS ASDYNSSELK TACRKHELYV SFQDLGWQDW IAPKGYAAN YCDGECFPL NAHMNATNHA IVQTLVHLMN PEYVPKPCA PTKLNAISVL YFDDNSNVIL KKYRNMVVRA CGCH.

