
Product Data Sheet

Product Name: BMP6 Human
 Cat. No.: GP20106
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bone morphogenetic protein 6; BMP-6; VG-1-related protein; VG-1-R; VGR-1; BMP6; VGR; VGR1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSASSR RRQQRNRST QSQDVARVSS ASDYNSSELK TACRKHLYV SFQDLGWQDW IIAPKGYAAN YCDGECSEFPL NAHMNATNHA IVQTLVHLMN PEYVPKPCA PTKLNALSIVL YFDDNSNVIL KKYRNMVVRA CGCH.		
Formulation	The BMP6 solution (0.25mg/ml) contains 10mM Sodium citrate buffer (pH 3.5) and 10% glycerol.		

Introduction

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.

Stability

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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18kDa.BMP6 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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