

Recombinant human BMP-6 protein

Catalog Number: ATGP2090

PRODUCT INFORMATION

Expression system

E.coli

Domain

375-513aa

UniProt No.

P22004

NCBI Accession No.

NP_001709

Alternative Names

Bone morphogenetic protein 6, BMP6, VG-1-related protein, VG-1-R, VGR-1, VGR

PRODUCT SPECIFICATION

Molecular Weight

18 kDa (164aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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, BMP6 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. Recombinant human BMP6 protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

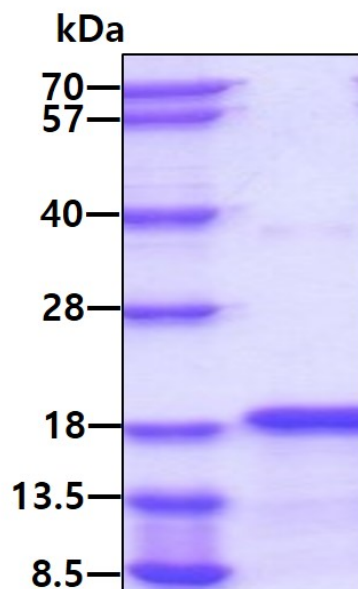
<MGSSHHHHHH SSGLVPRGSH MGSH>MSASSR RRQSRNRST QSQDVARVSS ASDYNSSELK TACRKHELYV
SFQDLGWQDW IIAPKGYAAN YCDGECSFPL NAHMNATNHA IVQTLVHLMN PEYVPKPCCA PTKLNAISVL YFDDNSNVIL
KKYRNMMVVRA CGCH

General References

Ebisawa T, Tada K, et al. (1999). J Cell Sci. 112 (Pt 20):3519-27.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.