OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR50914PU-S Human BMP6 (375-513, His-tag) - Purified

Alternate names: BMP-6, Bone morphogenetic protein 6, VGR, VGR1

Quantity: 20 µg

Concentration: 0.25 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: P22004

NCBI: NP_001709

GeneID: 654

Species: Human

Source: E. coli

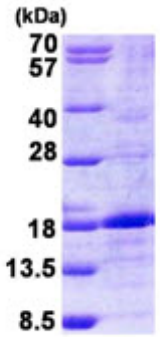
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 10 mM Sodium citrate buffer (pH 3.5) containing 10% glycerol.

Description: Recombinant human BMP6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSHMSASSR RRQQSRNRST QSQDVARVSS ASDYNSSELK TACRKHELYV SFQDLGWQDW IIAPKGYAAN YCDGECSFPL NAHMNATNHA IVQTLVHLMN PEYVPKPCCA PTKLNAISVL YFDDNSNVIL KKYRNMVVRA CGCH
Molecular weight: 18 kDa (164aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)