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Datasheet

BMP4 (Human) Recombinant Protein

Catalog Number: P4555

Regulation Status: For research use only (RUO)

Product Description: Human BMP4 (NP_001193.1, 25 a.a. - 408 a.a.) partial recombinant protein with His-MBP tag expressed in *Escherichia coli*.

Host: Escherichia coli

Theoretical MW (kDa): 90.266

Applications: Func, SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purity: > 95% by SDS-PAGE

Endotoxin Level: < 0.1 EU per ug of the protein

Storage Buffer: In 20 mM sodium phosphate, 0.5 M NaCl, 0,5 M imidazole, pH 7.4. (30% glycerol)

Storage Instruction: Store at -80°C.
Aliquot to avoid repeated freezing and thawing

Entrez GeneID: 652

Gene Symbol: BMP4

Gene Alias: BMP2B, BMP2B1, MCOPS6, ZYME

Gene Summary: The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5' untranslated region of this gene has been described and three variants are described, all encoding an identical protein. [provided by RefSeq]