



## Bone Morphogenetic Protein-2, human recombinant, monomer (rHuBMP-2)

**Catalog No:** 97229  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** BMP-2, BMP2A, Bone morphogenetic protein 2, BMP-2A, BMP2

### Background

BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein induces bone formation. BMP2 is a candidate gene for the autosomal dominant disease of fibrodysplasia (myositis) ossificans progressiva.

### Description

Bone Morphogenetic protein-2 human recombinant produced in *E. coli* is a monomeric, non-glycosylated, polypeptide chain containing 115 amino acids (283-396) and having a molecular mass of 13009 Dalton. BMP-2 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

BMP-2 solution contains 10 mM NaAc pH 3.5 and 10% glycerol.

### 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. Please avoid freeze thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MQAKHKQRKR LKSSCKRHPL YVDFSDVGWN DWIVAPPGYH AFYCHGECPE PLADHLNSTN HAIVQTLVNS VNSKIPKACC  
VPTELSAISM LYLDENEKVV LKNYQDMVVE GCGCR

### Usage

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