



## Recombinant Human BMP-4

## Datasheet

**Catalog Number:** PR27024

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Pro-Lys-His-His.

**Description/Molecular Mass:** Bone Morphogenetic Protein-4 Human Recombinant produced in E.Coli is a monomeric, non-glycosylated, Polypeptide chain containing 116 amino acids and having a molecular mass of 13009 Dalton. BMP-4 is purified by proprietary chromatographic techniques.

**Applications:**

1. Molecular standard (Western, ELISA) in studying secreted BMP-4
2. Preparing antibodies for BMP-4 monomer.
3. Molecule standard in detecting secreted BMP-4 in reduced SDS-PAGE.

**Purity:** Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

**Format:** BMP-4 was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives.

**Reconstitution:** It is recommended to reconstitute the lyophilized Bone Morphogenetic Protein-4 in sterile 20mM AcOH (acetic Acid) not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Storage:** Lyophilized Bone Morphogenetic Protein-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
**Please avoid freeze-thaw cycles.**

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