



## PRODUCT DATA SHEET

**Product:** BMP-4 (human recombinant)

**Cat. No.:** BP-019 (10 µg)

**Description:**

Human recombinant BMP-4 protein.

**Molecular Weight:**

13.009 kDa

**Production:**

Produced in *E. Coli.* as a monomeric non-glycosylated polypeptide chain containing 116 amino acids.

**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.

**Protein Content:**

Determined by UV spectroscopy at 280 nm, analysis by RP-HPLC (calibrated against a known standard), and quantitative determination on SDS-PAGE (against a known standard).

**Format:**

Lyophilized (freeze-dried) white powder with no additives. Reconstitute with sterile water to a concentration of 0.1 mg/mL. The reconstituted BMP-4 can be further diluted into other aqueous solutions.

**Purity:**

Greater than 95% as determined by RP-HPLC and SDS-PAGE (reducing and non-reducing conditions). Sterile filtered.

**Storage:**

Lyophilized protein is very stable at -20°C long term. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

**Limitations:**

For research use only. Not for use in humans or *in vitro* diagnostics use.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.