

**ANTIGENIX AMERICA Inc.**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

**Human BMP-2**

Purified Factor	Product Number	HC70034B	10 ug
		HC70034A	2 ug

**DESCRIPTION:**

Human Bone Morphogenic Protein (BMP)-2 is a protein in the TGF Beta superfamily of proteins. BMP-2 is involved in cardiac morphogenesis as well as bone development and is expressed in a variety of tissues, including brain, prostate, liver, spleen and lung. BMP-2 is a homodimeric protein with 115 aa. residues and 26.0 kDa molecular weight.

**SOURCE:** E. Coli

Purity > 98% by HPLC analysis

Endotoxin < 0.1 ng per ug BMP-2

Sterile-filtered and lyophilized from Sodium Citrate, pH 3.5

**BIOLOGICAL ACTIVITY:** ED50 by MC3T3-E1 cell proliferation is approximately 50 ng/mL.

**HANDLING AND STORAGE:**

Purified Human BMP-2 factor is provided lyophilized. Store lyophilized, at -20° C. Microcentrifuge before reconstitution (see below). Upon reconstitution in 50 uL of sterile or distilled water **containing BSA (50 ug BSA per 1 ug protein)**, further dilute in buffered solutions. Store small aliquots at -20° C for long-term storage, at high concentration.

**Before opening vial**, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

**WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**