

## PRODUCT INFORMATION SUMMARY

### Human BMP-6

Purified Factor	Product Number	HC67711B	10.0 ug
	Product Number	HC67711A	2.0 ug

#### DESCRIPTION:

Human Bone Morphogenic Protein (BMP)-6 is a protein in the TGF Beta superfamily of proteins. In general, BMPs are a strong agent for inducement of bone growth. BMP-6 may be involved also in breast cancer development. Some BMPs are believed to inhibit tumor growth. Human BMP-6 is a homodimeric protein with two 117 aa. subunits, ( aa. 397-513 of the full-length precursor) and 26.2 kDa molecular weight.

**SOURCE:** HEK293 cells  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug BMP-6  
Sterile-filtered and lyophilized from 10mM Tris, pH 9.0

**BIOLOGICAL ACTIVITY:** Half maximal effect on induction of alkaline phosphatase production by ATDC-5 cells was approx. 0.04 ug/mL.

#### HANDLING AND STORAGE:

Purified Human BMP-6 factor is provided lyophilized. Store lyophilized, at -20° C. Microcentrifuge before reconstitution (see below). Upon reconstitution with sterile or distilled water to concentration of 100.0 ug/mL, further dilute in PBS and store small aliquots at -20° C, **with addition of 0.1% BSA**, for long-term storage, at high concentration -up to 3 months.

**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**