

## PRODUCT INFORMATION SUMMARY

### Human BMP-7

Purified Factor	Product Number	HC711220B	10.0 ug
	Product Number	HC711220A	2.0 ug

#### DESCRIPTION:

Human Bone Morphogenic Protein (BMP)-7 is a protein in the TGF Beta superfamily of proteins. BMP-7 is a strong agent for inducement of bone growth and is also known as Osteogenic Protein (OP-1), and has been used in bone graft treatment. BMP-7 is involved also in bone development. BMP-7 is a homodimeric protein with 116 aa. subunits, and 28.8 kDa molecular weight, corresponding to aa. 316 - 431 of the complete BMP-7 precursor protein.

**SOURCE:** CHO cells  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug BMP-7  
Sterile-filtered and lyophilized from Sodium Citrate, pH 3.5

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

#### HANDLING AND STORAGE:

Purified Human BMP-7 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 **containing 2.0 mg/mL albumin** and store small aliquots at -20° C, 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**