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## Recombinant Human BMP-7

**Product Number: CK00601**

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### Characteristics:

**Source:** Chinese Hamster Ovary cell line

**Description:** Human BMP-7 (Met316-His431)

**Accession #** P18075

**Predicted molecular mass:** 13.1 kDa (monomer)

### Specification:

**Appearance:** White powder, Colorless clear liquid after reconstitution

**Purity:** ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

**Endotoxin:** ≤10 EU/mg by the LAL method

**Activity:** Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is 0.02-0.04 µg/ml.

**Formulation:** Lyophilized from a 0.22 µm-filtered solution containing 0.085% TFA, 30% ACN, 5% mannitol

**Size:** 50 µg/vial, 1 mg/vial

### Handling and Storage:

**Reconstitution:** It is recommended to redissolve in 4 mM HCl.

**Shipping:** The product is shipped with blue ice.

**Storage & Stability:** 36 months at 2°C to -80°C in lyophilized state; 6 months at -20°C to -80°C under sterile conditions after reconstitution; 7-10 days at 2°C to 8°C under sterile conditions after reconstitution. **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**