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Recombinant Human BMP2

Product Number: CK00421H

Characteristics:

Source: E. coli

Description: Human BMP2 (Gln283-Arg396)

Accession # P12643

Predicted molecular mass: 12.9 kDa (monomer)

Specification:

Appearance: White powder, Colorless clear liquid after reconstitution

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

Endotoxin: ≤ 100 EU/mg by the LAL method

Activity: Measured alkaline phosphatase production by ATDC-5 chondrogenic cells. The ED50 is ≤ 0.5 $\mu\text{g/ml}$

Formulation: Lyophilized from a 0.2 μm filtered solution containing 0.1M Acetic acid, 5% Trehalose, pH 3.0

Size: 10 $\mu\text{g/vial}$, 50 $\mu\text{g/vial}$, 1 mg/vial

Handling and Storage:

Reconstitution: It is recommended to redissolve in sterile deionized water.

Shipping: The product is shipped with blue ice.

Storage & Stability: 36 months at 2°C to 8°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.**