

# Human BMP 7 Recombinant Protein



RPPB0104

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## Product Information    Protein Information

**Product SKU:**

RPPB0104

**Accession:**

P18075

**Host:**

Nicotiana  
benthamiana.

**Protein description:**

Bone Morphogenetic Protein-7 Human Recombinant produced in Plant is a monomeric, glycosylated, polypeptide chain containing 144 amino acids and having a molecular mass of 16.5kDa, and fused to a 6xHis-tag at the N-terminus. The BMP-7 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Osteogenic Protein 1, BMP-7.

**Formulation:**

BMP-7 was lyophilized from a solution containing Tris-HCl 0.05M buffer at pH 7.4.

**Purity:**

Greater than 97.0% as determined by SDS-PAGE.

**Solubility:**

Lyophilized BMP-7 protein should be reconstituted in distilled water to a concentration of 50 ng/μl.

**Stability:**

Lyophilized BMP-7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP 7 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

HHHHHHSTGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHELYVSFRDLGWQDWIIAPEGYAAYC  
EGECAFLNSYMNATNHAIVQTLVHFINPETVVPKCCAPTQLNAISVLYFDDSSVILKKYRNMVVRACGCH.

**Biological Activity:**

The biological activity of BMP-7 was measured by its ability to induce alkaline phosphatase production by ATDC5 cells, ED50 is less than 40ng/ml, corresponding to a specific activity of 25,000 units/mg.