

# Human BMP4 Recombinant Protein



RPPB0098

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## Product Information    Protein Information

**Product SKU:**

RPPB0098

**Accession:**

P12644

**Host:**

CHO cells.

**Protein description:**

Bone Morphogenetic protein-4 Active Human Recombinant produced in CHO cells is a glycosylated homodimer chain containing 2x116 amino acids and having a total molecular mass of 26.2kDa. BMP4 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

BMP4, ZYME, BMP2B, BMP2B1.

**Formulation:**

The protein was lyophilized from a sterile (0.2µm) filtered solution containing 0.1% Trifluoroacetic Acid (TFA).

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized BMP4 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized BMP4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP4 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

SPKHHSQRAR KKNKNCRRHS LYVDFSDVGW NDWIVAPPGY QAFYCHGDCP FPLADHLNST NHAI VQT LVN SVNSSIPKAC CVPTELSAIS MLYLDEYDKV VLKQYQEMVV EGCGR.

**Biological Activity:**

The ED<sub>50</sub>, as calculated by Alkaline phosphatase activity induced in ATDC-5 cells is 11.2ng/ml corresponding to a specific activity which is 8.9 x 10<sup>4</sup> units/mg.