

Human BMP 7 Recombinant Protein



RPPB0105

Product Information Protein Information

Product SKU:

RPPB0105

Accession:

P18075

Host:

HEK.

Protein description:

BMP-7 Human Recombinant produced in HEK cells is a glycosylated disulfide-linked homodimer, having a molecular weight range of 30-38kDa due to glycosylation. The BMP7 corresponds to amino acid residues 315 to 431 of the full-length BMP-7 precursor and is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Osteogenic Protein 1, BMP-7.

Formulation:

The BMP7 was lyophilized from 1mg/ml in 1xPBS.

Purity:

Greater than 95% as observed by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized BMP-7 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized BMP7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP-7 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:

DFSLDNEVHSSFIHRRRLRSQERREMQRREILSILGLPHRPRPHLQKGKHSAPMFMLDLYNAM
AVEEGGGPGGQGFSPYKAVFSTQGPPLASLQDSHFLTDADMVMSFVNLV EHDKEFFHPR
YHHREFRFDLSKIPEGEAVTAAEFRIYKDYIRERFDNETFRISVYQVLQEHLGRESDFLDSRTLWASE
EGWLVDITATSNHVVNPRHNLGLQLSVETLDGQSINPKLAGLIGRHGPQNKQPFMVAFFKAT.

Biological Activity:

The specific activity was determined by the dose dependent induction of alkaline phosphatase production in the ATDC-5 cell line (Mouse chondrogenic cell line) and is typically 50-250ng/ml.