

Human BMP3 Recombinant Protein



RPPB0095

Product Information Protein Information

Product SKU:

RPPB0095

Accession:

P12645

Host:

Escherichia Coli.

Protein description:

BMP3 Human Recombinant produced in E.coli is a non-glycosylated disulfide linked homodimer containing 2 chains of 110 amino acids and having a molecular mass of 24.8kDa. The BMP-3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Bone Morphogenetic Protein 3, Osteogenin, Bone Morphogenetic Protein 3 (Osteogenic), Bone Morphogenetic Protein 3A, BMP-3A, BMP-3, Bone Morphogenetic Protein-3, BMP3A, BMP3.

Formulation:

BMP-3 protein was lyophilized from a 0.2µm filtered concentrated solution in 30% Acetonitrile and 0.1% TFA.

Purity:

Greater than 95.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized BMP3 in sterile 4mM HCl not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized BMP3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP-3 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:

QWIEPRNCAR RYLKVD FADI GWSEWIISPK SFDAYYCSGA CQFPMPKSLK PSNHATIQSI VRAVGVVPGI
PEPCCVPEKM SSSLILFFDE NKNVWLKVYP NMTVESACR.

Biological Activity:

The ED50 as determined by its ability to inhibit BMP-2-induced activity in murine MC3T3- E1 cells.