

Human BMP 2 Recombinant Protein



RPPB0093

Product Information Protein Information

Product SKU:

RPPB0093

Accession:

P12643

Host:

HEK.

Protein description:

BMP-2 Human Recombinant produced in HEK cells is a glycosylated disulfide-linked homodimer, having a molecular weight range of 28kDa due to glycosylation. The BMP2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

BMP-2, BMP2A.

Formulation:

The BMP2 was lyophilized from 0.67mg/ml in 2xPBS + 6% ethanol.

Purity:

Greater than 95.0% as determined by analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized BMP-2 in sterile 4mM HCl containing 0.1% endotoxin-free recombinant HSA.

Stability:

Lyophilized BMP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMP-2 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:

QAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPPFLADHLNST
NHAIVQTLVNSVNSKIPKACCVPTLSAISMLYLDENEKVVLKKNYQDMVVEGCGCR.

Biological Activity:

The specific activity as determined by the dose dependent induction of alkaline phosphatase production in the ATDC-5 cell line (Mouse chondrogenic cell line) was found to be 6.53ng/ml.