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32-1080: BMP 2 HEK Recombinant Protein

Alternative Name : BMP-2,BMP2A.

Description

Source : HEK. BMP-2 Human Recombinant produced in HEK cells is a glycosylated disulfide-linked homodimer, having a molecular weight range of 30-38kDa due to glycosylation.The BMP2 is purified by proprietary chromatographic techniques. BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein induces bone formation. BMP2 is a candidate gene for the autosomal dominant disease of fibrodysplasia (myositis) ossificans progressiva.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as obsereved by SDS-PAGE.
Content :	The BMP2 was lyophilized from 1mg/ml in 1xPBS.
Storage condition :	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.

Application Note

It is recommended to reconstitute the lyophilized BMP-2 in sterile 4mM HCl containing 0.1% endotoxin-free recombinant HSA. 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 <60ng/ml.